



PRICE LIST

2024



SUMMARY 1

N° 47

SUMMARY

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DRIP IRRIGATION

DRIPLINE LIGHT

Discount category B



FLOW-TAPE PLUS



APPLICATION

- Horticultural and extensive open field crops
- Protected crops on soil
- Sub-irrigation systems on extensive crops

SPECIFICS

- 6 flow drippers
- 6 tube wall thicknesses
- C.V. dripper: < 1.5%
- Operating pressure 7 mH2O

FEATURES

- Dropper with turbulent flow labyrinth and large passages
- Continuous dropper inserted during wing production
- High resistance to clogging
- Double inlet filter along the entire length of the dripper
- Double colored drip strip identification
- High tensile strength

MATERIALS

- Pipe: Linear Pe and PEBD
- Dropper: polyethylene

PRESSURE/FLOW RATE RATIO

Flow-rate l/h	mH2O									Mesh filtering
	4	5	6	7	8	9	10	11	12	
0,60	0,4	0,5	0,5	0,6	0,7	0,7	0,8	0,8	0,9	140
1,00	0,6	0,7	0,8	0,9	1,0	1,1	1,1	1,2	1,2	140
1,20	0,9	1,0	1,1	1,2	1,3	1,4	1,5	1,6	1,7	120
1,50	1,1	1,3	1,4	1,5	1,6	1,7	1,8	1,9	2,0	120
1,80	1,5	1,6	1,7	1,8	1,9	2,0	2,1	2,2	2,3	120
2,10	1,8	1,9	2,0	2,1	2,2	2,3	2,4	2,5	2,6	120

Tests carried out on 8 mil (0.20 mm) thickness with water at 20 °C

TECHNICAL FEATURES

Ø _{nom} mm	Thickness mil	mm		Max P mH2O
		Ø _{int}	Ø _{ext}	
16	5	16,1	16,34	7
	6	16,1	16,40	8
	7	16,1	16,46	9
	8	16,1	16,50	10
	10	16,1	16,60	12
	12	16,1	16,70	14
22	7	22,00	22,36	8
	8	22,00	22,40	9
	10	22,00	22,50	11
	12	22,00	22,60	13
29	10	29,00	29,50	10
	12	29,00	29,60	11

COILS NUMBER PER SHIPMENT

Ø _{nom} mm	Thickness mil	Coil dimensions cm	Coils for pallets standard pcs*	Pallet dimensions cm	Maxi loading quantity - Coils			
					20"	40"	40" HC	Truck
16	5	57,5 x 22,5	20	116x116x129	400	800	960	1.056
	7							
	6	57,5 x 19,5	20	116x116x112				
	8							
	10							
22	12							
	7	57,5 x 22,5	20	116x116x129				
	8	57,5 x 19,5	20	116x116x112				
	10							
12								
29	10	57,5 x 19,5	20	116x116x112				
	12							

*The number of coils per pallet may vary for direct container delivery

CONVERSION L/H TO L/M

Flow-rate l/h	Emitters spacing cm				
	10	15	20	30	40
0,6	6,00	4,00	3,00	2,00	1,50
1,0	10,00	6,66	5,00	3,33	2,50
1,2	12,00	7,99	6,00	4,00	3,00
1,5	15,00	9,99	7,50	5,00	3,75
1,8	18,00	11,99	9,00	5,99	4,50
2,1	21,00	13,99	10,50	6,99	5,25

RECOMMENDED LENGTHS DEPENDING ON THE EMISSION UNIFORMITY (M)

Ø _{nom} mm	Flow-rate gocc. l/h	Coeff. uniformity	Emitters spacing (cm)				
			10 cm	15 cm	20 cm	30 cm	40 cm
16	0,60 l/h	85%	165	198	230	300	333
		90%	130	155	180	240	265
	1,00 l/h	85%	125	153	180	240	268
		90%	100	123	145	190	213
	1,20 l/h	85%	95	118	140	195	218
		90%	75	93	110	155	173
	1,50 l/h	85%	71	90	116	150	173
		90%	52	75	93	121	142
	1,80 l/h	85%	71	88	110	140	160
		90%	55	73	89	116	133
	2,10 l/h	85%	70	87	105	130	148
		90%	58	72	85	110	124

Ø _{nom} mm	Flow-rate gocc. l/h	Coeff. uniformity	Emitters spacing (cm)				
			10 cm	15 cm	20 cm	30 cm	40 cm
22	0,60 l/h	85%	240	363	390	510	585
		90%	215	289	310	405	453
	1,00 l/h	85%	200	255	310	395	450
		90%	160	206	250	315	360
	1,20 l/h	85%	170	221	265	340	388
		90%	135	179	210	270	308
	1,50 l/h	85%	148	174	203	263	263
		90%	120	143	164	212	212
	1,80 l/h	85%	139	167	194	246	260
		90%	115	149	162	208	221
	2,10 l/h	85%	130	160	185	230	258
		90%	110	155	160	205	230

Ø _{nom} mm	Flow-rate gocc. l/h	Coeff. uniformity	Emitters spacing (cm)				
			10 cm	15 cm	20 cm	30 cm	40 cm
29	0,60 l/h	85%	510	543	576	746	779
		90%	422	440	465	601	623
	1,00 l/h	85%	420	450	482	624	655
		90%	340	363	385	499	522
	1,20 l/h	85%	333	350	383	490	515
		90%	271	290	309	400	419
	1,50 l/h	85%	250	283	311	402	433
		90%	210	230	251	325	346
	1,80 l/h	85%	220	250	278	356	385
		90%	206	222	238	308	238
	2,10 l/h	85%	190	218	245	310	338
		90%	205	215	225	290	300

DRIPLINE LIGHT

Discount category B



Ø 16 MM - THICKNESS 5 MIL

Flow-rate	0,6		1,0		1,2		1,5		1,8		2,1		Coil m	€/bob.
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
10	TSAT551006	■	TSAT551009	■	TSAT551012	■	TSAT551015	■	TSAT551018	■	TSAT551021	■	3.900	241,00
15	TSAT551506	■	TSAT551509	■	TSAT551512	■	TSAT551515	■	TSAT551518	■	TSAT551521	■	3.900	241,00
20	TSAT562006	■	TSAT552009	■	TSAT56212	■	TSAT56215	■	TSAT56218	■	TSAT552021	■	3.900	241,00
30	TSAT563006	■	TSAT553009	■	TSAT56312	■	TSAT56315	■	TSAT56318	■	TSAT553021	■	3.900	241,00
40	TSAT554006	■	TSAT554009	■	TSAT554012	■	TSAT554015	■	TSAT554018	■	TSAT554021	■	3.900	241,00

Ø 16 MM - THICKNESS 6 MIL

Flow-rate	0,6		1,0		1,2		1,5		1,8		2,1		Coil m	€/bob.
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
10	TSAT561006	■	TSAT561009-S	■	TSAT56112	■	TSAT56115-S	■	TSAT56118-S	■	TSAT561021	■	3.000	211,00
15	TSAT561506	■	TSAT561509	■	TSAT561512	■	TSAT561515	■	TSAT561518	■	TSAT561521	■	3.000	211,00
20	TSAT56120-S	■	TSAT562009	■	TSAT562012	■	TSAT562015	■	TSAT562018	■	TSAT562021	■	3.000	211,00
30	TSAT563006	■	TSAT563009	■	TSAT563012	■	TSAT563015	■	TSAT563018	■	TSAT563021	■	3.000	211,00
40	TSAT564006	■	TSAT564009	■	TSAT564012	■	TSAT564015	■	TSAT564018	■	TSAT564021	■	3.000	211,00

Ø 16 MM - THICKNESS 7 MIL

Flow-rate	0,6		1,0		1,2		1,5		1,8		2,1		Coil m	€/bob.
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
10	TSAT571006	■	TSAT571009	■	TSAT571012	■	TSAT571015	■	TSAT571018	■	TSAT571021	■	2.700	222,00
15	TSAT571506	■	TSAT571509	■	TSAT571512	■	TSAT571515	■	TSAT571518	■	TSAT571521	■	2.700	222,00
20	TSAT572006	■	TSAT572009	■	TSAT572012	■	TSAT572015	■	TSAT572018	■	TSAT572021	■	2.700	222,00
30	TSAT573006	■	TSAT573009	■	TSAT573012	■	TSAT573015	■	TSAT573018	■	TSAT573021	■	2.700	222,00
40	TSAT574006	■	TSAT574009	■	TSAT574012	■	TSAT574015	■	TSAT574018	■	TSAT574021	■	2.700	222,00

Ø 16 MM - THICKNESS 8 MIL

Flow-rate	0,6		1,0		1,2		1,5		1,8		2,1		Coil m	€/bob.
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
10	TSAT581006	■	TSAT581009	■	TSAT58112	■	TSAT58115	■	TSAT58118	■	TSAT581021	■	2.300	198,00
15	TSAT581506	■	TSAT581509	■	TSAT581512	■	TSAT581515	■	TSAT581518	■	TSAT581521	■	2.300	198,00
20	TSAT582006	■	TSAT582009	■	TSAT58212	■	TSAT58215	■	TSAT58218	■	TSAT582021	■	2.300	198,00
30	TSAT583006	■	TSAT583009	■	TSAT58312	■	TSAT58315	■	TSAT583018	■	TSAT583021	■	2.300	198,00
40	TSAT584006	■	TSAT584009	■	TSAT584012	■	TSAT584015	■	TSAT584018	■	TSAT584021	■	2.300	198,00

Ø 16 MM - THICKNESS 10 MIL

Flow-rate	0,6		1,0		1,2		1,5		1,8		2,1		Coil m	€/bob.
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
10	TSAT511006	■	TSAT511009	■	TSAT511012	■	TSAT511015	■	TSAT511018	■	TSAT511021	■	1.800	196,00
15	TSAT511506	■	TSAT511509	■	TSAT511512	■	TSAT511515	■	TSAT511518	■	TSAT511521	■	1.800	196,00
20	TSAT512006	■	TSAT512009	■	TSAT512012	■	TSAT510215	■	TSAT512018	■	TSAT512021	■	1.800	196,00
30	TSAT513006	■	TSAT513009	■	TSAT513012	■	TSAT510315	■	TSAT513018	■	TSAT513021	■	1.800	196,00
40	TSAT514006	■	TSAT514009	■	TSAT514012	■	TSAT514015	■	TSAT514018	■	TSAT514021	■	1.800	196,00

Ø 16 MM - THICKNESS 12 MIL

Flow-rate	0,6		1,0		1,2		1,5		1,8		2,1		Coil m	€/bob.
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
10	TSAT521006	■	TSAT521009	■	TSAT521012	■	TSAT521015	■	TSAT521018	■	TSAT521021	■	1.500	185,00
15	TSAT521506	■	TSAT521509	■	TSAT521512	■	TSAT521515	■	TSAT521518	■	TSAT521521	■	1.500	185,00
20	TSAT522006	■	TSAT522009	■	TSAT522012	■	TSAT510215	■	TSAT522018	■	TSAT522021	■	1.500	185,00
30	TSAT523006	■	TSAT523009	■	TSAT523012	■	TSAT510315	■	TSAT523018	■	TSAT523021	■	1.500	185,00
40	TSAT524006	■	TSAT524009	■	TSAT524012	■	TSAT524015	■	TSAT524018	■	TSAT524021	■	1.500	185,00

Legend

■ Available in stock ■ On order

Ø 22 MM - THICKNESS 7 MIL

Flow-rate	0,6		1,0		1,2		1,5		1,8		2,1		Coil m	€/bob
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
10	TSAT771006	■	TSAT771009	■	TSAT771012	■	TSAT771015	■	TSAT771018	■	TSAT771021	■	2.100	210,00
15	TSAT771506	■	TSAT771509	■	TSAT771512	■	TSAT771515	■	TSAT771518	■	TSAT771521	■	2.100	210,00
20	TSAT772006	■	TSAT772009	■	TSAT772012	■	TSAT772015	■	TSAT772018	■	TSAT772021	■	2.100	210,00
30	TSAT773006	■	TSAT773009	■	TSAT773012	■	TSAT773015	■	TSAT773018	■	TSAT773021	■	2.100	210,00
40	TSAT774006	■	TSAT774009	■	TSAT774012	■	TSAT774015	■	TSAT774018	■	TSAT774021	■	2.100	210,00

Ø 22 MM - THICKNESS 8 MIL

Flow-rate	0,6		1,0		1,2		1,5		1,8		2,1		Coil m	€/bob.
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
10	TSAT781006	■	TSAT781009	■	TSAT781012	■	TSAT781015	■	TSAT781018	■	TSAT781021	■	1.800	205,00
15	TSAT781506	■	TSAT781509	■	TSAT781512	■	TSAT781515	■	TSAT781518	■	TSAT781521	■	1.800	205,00
20	TSAT782006	■	TSAT782009	■	TSAT782012	■	TSAT782015	■	TSAT782018	■	TSAT782021	■	1.800	205,00
30	TSAT783006	■	TSAT783009	■	TSAT783012	■	TSAT783015	■	TSAT783018	■	TSAT783021	■	1.800	205,00
40	TSAT784006	■	TSAT784009	■	TSAT784012	■	TSAT784015	■	TSAT784018	■	TSAT784021	■	1.800	205,00

Ø 22 MM - THICKNESS 10 MIL

Flow-rate	0,6		1,0		1,2		1,5		1,8		2,1		Coil m	€/bob.
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
10	TSAT711006	■	TSAT711009	■	TSAT711012	■	TSAT711015	■	TSAT711018	■	TSAT711021	■	1.500	183,00
15	TSAT711506	■	TSAT711509	■	TSAT711512	■	TSAT711515	■	TSAT711518	■	TSAT711521	■	1.500	183,00
20	TSAT710206	■	TSAT712009	■	TSAT712012	■	TSAT710215	■	TSAT712018	■	TSAT712021	■	1.500	183,00
30	TSAT713006	■	TSAT713009	■	TSAT713012	■	TSAT710315	■	TSAT713018	■	TSAT713021	■	1.500	183,00
40	TSAT714006	■	TSAT714009	■	TSAT714012	■	TSAT714015	■	TSAT714018	■	TSAT714021	■	1.500	183,00

Ø 22 MM - THICKNESS 12 MIL

Flow-rate	0,6		1,0		1,2		1,5		1,8		2,1		Coil m	€/bob.
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
10	TSAT721006	■	TSAT721009	■	TSAT721012	■	TSAT721015	■	TSAT721018	■	TSAT721021	■	1.200	199,00
15	TSAT721506	■	TSAT721509	■	TSAT721512	■	TSAT721515	■	TSAT721518	■	TSAT721521	■	1.200	199,00
20	TSAT722006	■	TSAT722009	■	TSAT722012	■	TSAT722015	■	TSAT722018	■	TSAT722021	■	1.200	199,00
30	TSAT712306	■	TSAT723009	■	TSAT723012	■	TSAT712315	■	TSAT723018	■	TSAT723021	■	1.200	199,00
40	TSAT724006	■	TSAT724009	■	TSAT724012	■	TSAT724015	■	TSAT724018	■	TSAT724021	■	1.200	199,00

Ø 29 MM - THICKNESS 10 MIL

Flow-rate	0,6		1,0		1,2		1,5		1,8		2,1		Coil m	€/bob.
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
10	TSAT911006	■	TSAT911009	■	TSAT911012	■	TSAT911015	■	TSAT911018	■	TSAT911021	■	1.200	218,00
15	TSAT911506	■	TSAT911509	■	TSAT911512	■	TSAT911515	■	TSAT911518	■	TSAT911521	■	1.200	218,00
20	TSAT912006	■	TSAT912009	■	TSAT912012	■	TSAT912015	■	TSAT912018	■	TSAT912021	■	1.200	218,00
30	TSAT913006	■	TSAT913009	■	TSAT913012	■	TSAT913015	■	TSAT913018	■	TSAT913021	■	1.200	218,00
40	TSAT914006	■	TSAT914009	■	TSAT914012	■	TSAT914015	■	TSAT914018	■	TSAT914021	■	1.200	218,00

Ø 29 MM - THICKNESS 12 MIL

Flow-rate	0,6		1,0		1,2		1,5		1,8		2,1		Coil m	€/bob.
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
10	TSAT921006	■	TSAT921009	■	TSAT921012	■	TSAT921015	■	TSAT921018	■	TSAT921021	■	1.000	258,00
15	TSAT921506	■	TSAT921509	■	TSAT921512	■	TSAT921515	■	TSAT921518	■	TSAT921521	■	1.000	258,00
20	TSAT922006	■	TSAT922009	■	TSAT922012	■	TSAT922015	■	TSAT922018	■	TSAT922021	■	1.000	258,00
30	TSAT923006	■	TSAT923009	■	TSAT923012	■	TSAT923015	■	TSAT923018	■	TSAT923021	■	1.000	258,00
40	TSAT924006	■	TSAT924009	■	TSAT924012	■	TSAT924015	■	TSAT924018	■	TSAT924021	■	1.000	258,00

Legend ■ Available in stock ■ On order

LIGHT DRIPLINE FITTINGS

Discount category A

FITTINGS FOR TAPE

Code	Description	Hole Ø on pipeline	Ø	Box	€/each
 RLF060	Start for Layflat for tape 16	14 mm	16 mm	400	0,74
 RLF050	Start for Layflat for tape 22	14 mm	22 mm	600	1,35
 RLF050-A	Start for Layflat for tape 22	16 mm	22 mm	600	1,35
 RMP624	Start PE hose for tape	7,5 mm	16 mm	800	0,44
 RMP811	Start PE hose for tape	7,5 mm	22 mm	600	0,79
 RMP611-S	Sleeve for tape		16 mm	500	0,50
 RMP650-S	Sleeve for tape		22 mm	350	0,91
 RMP650-A	Sleeve for tape		22 mm	350	1,28
 RMP620	¾" male threaded fitting for tape		¾" x 16 mm	500	0,46
 RMP630	¾" male threaded fitting for tape		¾" x 22 mm	400	0,66
 RMP639	Tee for Tape with male derivation ½"		16 x ½" M	300	1,45
 RMP640	Tee for Tape with male derivation ½"		22 x ½" M	200	2,00
 RMP641	Elbow for tape with male derivation ½"		16 x ½" M	550	1,31
 RMP642	Elbow for tape with male derivation ½"		22 x ½" M	450	1,57

MINIVALVES FOR TAPE

Code	Ø	Description	Box	€/each
 FRS020	¾" x 16	¾" female threaded valve x tape	1 - 50	1,27
 FRS098	¾" x 22	¾" female threaded valve x tape	1 - 50	1,45
 FRS095	¾" x 16	¾" male threaded valve x tape	1 - 50	1,06
 FRS099	¾" x 22	¾" male threaded valve x tape	1 - 50	1,21
 FRS090	16	Minivalve PVC for tape with rubber accessorie D2	1 - 50	1,36
 FRS094	16	Minivalve PVC for tape with rubber accessorie D3	1 - 50	1,36
 FRS096	16	Minivalve PE for tape Ø 16 with rubber	1 - 50	1,11
 FRS102	22	Minivalve PE for tape Ø 22 with rubber	1 - 50	1,41
 FRS100	16	Tape derivation valve with Layflat pipe screw	1 - 50	1,52
 FRS101	22	Tape derivation valve with Layflat pipe screw	1 - 50	1,63
 FRS091	16	Tape valve x tape	1 - 50	1,36
 FRS092	22	Tape valve x tape	1 - 50	1,36

T-SAL S



APPLICATION

- Horticultural and extensive open field crops
- Protected crops on soil

SPECIFICS

- C.V. dripper: < 1.5%
- Operating pressure 10 mH2O

FEATURES

- 5 flow drippers
- 3 pipe wall thicknesses
- Dripper with turbulent flow labyrinth and large passages
- Co-extruded dripper in the wing production phase
- High resistance to clogging
- Large surface inlet filter

MATERIALS

- Pipe: Linear Pe and PEBD
- Dripper: polyethylene

PRESSURE/FLOW RATE RATIO

Flow-rate l/h	mH2O				Mesh filtering
	5	8	10	12	
0,6	0,42	0,54	0,60	0,66	140
1,0	0,70	0,86	0,95	1,03	120
1,4	0,99	1,23	1,36	1,48	120
1,6	1,00	1,45	1,65	1,90	120
2,2	1,63	2,00	2,20	2,38	120

Tests carried out on 8 mil (0.20 mm) thickness with water at 20 °C

TECHNICAL FEATURES

Ø _{nom} mm	Thickness mil	Ø _{int}	Ø _{ext}	Max P mH2O
		mm		
16	6	16,1	16,4	10
	8	16,1	16,5	12
	10	16,1	16,6	14
22	8	22,2	22,6	10
	10	22,2	22,7	13

COILS NUMBER PER SHIPMENT

Ø _{nom} mm	Coil dimensions cm	Coils for pallets standard pcs*	Pallet dimensions cm	Maxi loading quantity - Coils			
				20"	40"	40" HC	Truck
16	57,5 x 19,5	20	116 x 116 x 112	400	800	960	1.056
22							

*The number of coils per pallet may vary for direct container delivery

DRIPLINE LIGHT

Discount category B



RECOMMENDED LENGTHS DEPENDING ON THE EMISSION UNIFORMITY (M)

Ø _{nom} mm	Dripper flow-rate l/h	Coeff. Uniformity	Emitters spacing (cm)						
			15	20	25	30	40	50	60
16	0,60	EU 90%	172	208	242	274	332	384	434
		EU 85%	198	239	278	315	382	442	499
	1,00	EU 90%	148	180	209	236	286	332	374
		EU 85%	169	205	239	270	327	379	427
	1,40	EU 90%	105	123	146	164	199	230	259
		EU 85%	120	142	167	189	229	264	298
	1,60	EU 90%	98	105	121	137	165	190	210
		EU 85%	103	129	148	169	203	234	259
	2,20	EU 90%	75	91	110	124	149	170	185
		EU 85%	98	120	139	158	190	220	245
22	0,60	EU 90%	277	338	394	446	541	627	708
		EU 85%	318	389	453	513	622	721	815
	1,00	EU 90%	220	270	314	355	431	500	565
		EU 85%	253	310	361	408	495	575	649
	1,40	EU 90%	164	199	231	158	314	364	409
		EU 85%	189	229	265	182	361	418	470
	1,60	EU 90%	127	170	195	220	265	307	340
		EU 85%	167	210	241	272	327	379	420
	2,20	EU 90%	131	152	179	208	245	294	323
		EU 85%	165	204	238	271	325	376	422

RECOMMENDED LENGTHS DEPENDING ON THE VARIATION IN FLOW RATE (M)

Ø _{nom} mm	Dripper flow-rate l/h	Flow-rate variation	Emitters spacing (cm)						
			15	20	25	30	40	50	60
16	0,60	10%	128	156	181	218	248	288	324
		15%	149	182	212	254	289	336	378
	1,00	10%	99	120	140	168	191	222	250
		15%	115	140	163	196	222	258	291
	1,40	10%	78	94	110	131	149	173	194
		15%	91	110	127	153	173	201	226
	1,60	10%	77	95	108	124	150	173	198
		15%	90	109	127	143	175	201	228
	2,20	10%	57	69	80	91	110	125	143
		15%	66	80	92	120	126	144	165
22	0,60	10%	219	267	312	353	428	496	560
		15%	255	311	363	411	498	578	652
	1,00	10%	166	202	236	266	323	375	424
		15%	193	235	274	310	376	437	493
	1,40	10%	133	161	187	211	255	295	332
		15%	155	188	218	245	296	343	386
	1,60	10%	132	159	185	214	254	297	343
		15%	154	186	218	246	299	347	391
	2,20	10%	96	116	138	156	186	218	247
		15%	110	136	158	179	217	251	284

Ø 16 MM - THICKNESS 6 MIL

Flow-rate	0,6		1		1,4		1,6		2,2		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL300-S	■	TSAL400-S	■	TSAL360-S	■	TSAL370-S	■	TSAL380-S	■	2.700	0,0975
20	TSAL301-S	■	TSAL401-S	■	TSAL361-S	■	TSAL371-S	■	TSAL381-S	■	2.800	0,0890
30	TSAL302-S	■	TSAL403-S	■	TSAL363-S	■	TSAL372-S	■	TSAL382-S	■	3.000	0,0836
40	TSAL303-S	■	TSAL404-S	■	TSAL364-S	■	TSAL373-S	■	TSAL383-S	■	3.000	0,0809
50	TSAL304-S	■	TSAL405-S	■	TSAL365-S	■	TSAL374-S	■	TSAL384-S	■	3.000	0,0795

Ø 16 MM - THICKNESS 8 MIL

Flow-rate	0,6		1		1,4		1,6		2,2		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL220-S	■	TSAL160-S	■	TSAL210-S	■	TSAL215-S	■	TSAL070-S	■	2.600	0,0931
20	TSAL221-S	■	TSAL161-S	■	TSAL171-S	■	TSAL216-S	■	TSAL071-S	■	2.700	0,0850
30	TSAL222-S	■	TSAL163-S	■	TSAL173-S	■	TSAL217-S	■	TSAL073-S	■	2.900	0,0785
40	TSAL223-S	■	TSAL164-S	■	TSAL174-S	■	TSAL218-S	■	TSAL074-S	■	2.900	0,0765
50	TSAL224-S	■	TSAL165-S	■	TSAL175-S	■	TSAL219-S	■	TSAL075-S	■	2.900	0,0755

Ø 16 MM - THICKNESS 10 MIL

Flow-rate	0,6		1		1,4		1,6		2,2		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL430-S	■	TSAL450-S	■	TSAL460-S	■	TSAL390-S	■	TSAL395-S	■	2.200	0,1090
20	TSAL431-S	■	TSAL451-S	■	TSAL461-S	■	TSAL391-S	■	TSAL396-S	■	2.300	0,1020
30	TSAL432-S	■	TSAL453-S	■	TSAL463-S	■	TSAL392-S	■	TSAL397-S	■	2.500	0,0928
40	TSAL433-S	■	TSAL454-S	■	TSAL464-S	■	TSAL393-S	■	TSAL398-S	■	2.500	0,0895
50	TSAL434-S	■	TSAL455-S	■	TSAL465-S	■	TSAL394-S	■	TSAL399-S	■	2.500	0,0894

Ø 22 MM - THICKNESS 8 MIL

Flow-rate	0,6		1		1,4		1,6		2,2		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL745-S	■	TSAL700-S	■	TSAL640-S	■	TSAL645-S	■	TSAL650-S	■	1.800	0,1225
20	TSAL746-S	■	TSAL702-S	■	TSAL641-S	■	TSAL646-S	■	TSAL651-S	■	2.000	0,1177
30	TSAL747-S	■	TSAL703-S	■	TSAL713-S	■	TSAL647-S	■	TSAL653-S	■	2.100	0,1040
40	TSAL748-S	■	TSAL704-S	■	TSAL714-S	■	TSAL648-S	■	TSAL654-S	■	2.100	0,1020
50	TSAL749-S	■	TSAL705-S	■	TSAL644-S	■	TSAL649-S	■	TSAL655-S	■	2.100	0,0996

Ø 22 MM - THICKNESS 10 MIL

Flow-rate	0,6		1		1,4		1,6		2,2		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL740-S	■	TSAL760-S	■	TSAL750-S	■	TSAL660-S	■	TSAL665-S	■	1.600	0,1475
20	TSAL741-S	■	TSAL761-S	■	TSAL751-S	■	TSAL661-S	■	TSAL666-S	■	1.400	0,1408
30	TSAL742-S	■	TSAL763-S	■	TSAL753-S	■	TSAL662-S	■	TSAL667-S	■	1.600	0,1200
40	TSAL743-S	■	TSAL764-S	■	TSAL754-S	■	TSAL663-S	■	TSAL668-S	■	1.600	0,1170
50	TSAL744-S	■	TSAL765-S	■	TSAL755-S	■	TSAL664-S	■	TSAL669-S	■	1.600	0,1150

Legend ■ Available in stock ■ On order

DRIPLINE LIGHT

Discount category B

T-SAL L



APPLICATION

- Horticultural and extensive open field crops
- Protected crops on soil

SPECIFICS

- 6 flow drippers
- 5 pipe wall thicknesses
- C.V. dripper: < 1.5%
- Operating pressure 10 mH2O

FEATURES

- Dropper with turbulent flow labyrinth and wide passages
- Co-extruded dripper in the wing production phase
- High resistance to clogging
- Large surface inlet filter

MATERIALS

- Pipe: Linear Pe and PEBD
- Dropper: polyethylene

PRESSURE/FLOW RATE RATIO

Flow-rate l/h	mH2O										Mesh filtering
	6	7	8	9	10	12	14	16	18	20	
0,80	0,6	0,7	0,7	0,8	0,8	0,9	1,0	1,1	1,1	1,2	140
1,00	0,6	0,7	0,8	0,9	1,0	1,2	1,4	1,5	1,6	1,8	140
1,15	0,8	0,9	1,0	1,1	1,2	1,4	1,5	1,7	1,9	2,1	120
1,50	1,0	1,2	1,3	1,5	1,6	1,7	1,9	2,0	2,1	2,3	120
2,10	1,6	1,8	1,9	2,0	2,2	2,4	2,6	2,8	3,0	3,2	120
3,80	2,8	3,3	3,6	3,8	3,9	4,0	4,3	4,8	5,0	5,2	120

Tests carried out on 8 mil (0.20 mm) thickness with water at 20 °C

TECHNICAL FEATURES

Ø _{nom} mm	Thickness mil	mm		Max P mH2O
		Ø _{int}	Ø _{ext}	
16	6	16,1	16,4	10
	8	16,1	16,5	12
	10	16,1	16,6	14
	12	16,1	16,7	15
	15	16,1	16,86	20
	18	16,1	17,0	25
22	8	22,2	22,6	10
	10	22,2	22,7	13
	12	22,2	22,8	15
	15	22,2	22,8	15
29	10	28,5	29,0	10
	12	28,4	29,0	11

COILS NUMBER PER SHIPMENT

Thickness mil	Coil dimensions cm	Coils for pallets standard* pcs	Pallet dimensions cm	Maxi loading quantity - Coils			
				20"	40"	40" HC	Truck
6	57,5 x 22,5	20	116x116x129	400	800	960	1.056
8							
10							
12							
15							
18							

*The number of coils per pallet may vary for direct container delivery

RECOMMENDED LENGTHS DEPENDING ON THE EMISSION UNIFORMITY (M)

Ø _{nom} mm	Dripper flow-rate l/h	Coeff. Uniformity	Emitters spacing (cm)						
			15	20	25	30	40	50	60
16	0,80	EU 90%	143	170	209	220	260	301	342
		EU 85%	172	195	234	270	325	376	427
	1,00	EU 90%	105	145	159	187	227	261	292
		EU 85%	135	178	198	230	276	318	357
	1,15	EU 90%	117	140	167	180	219	250	280
		EU 85%	145	173	205	220	270	310	351
	1,50	EU 90%	96	110	138	145	175	204	228
		EU 85%	116	141	155	181	218	252	282
	2,10	EU 90%	70	91	107	125	146	173	195
		EU 85%	87	114	134	152	184	213	240
	3,80	EU 90%	52	61	76	82	97	115	129
		EU 85%	66	79	97	102	122	141	160
22	0,80	EU 90%	243	298	365	375	462	531	600
		EU 85%	272	365	400	477	571	659	744
	1,00	EU 90%	174	264	297	340	411	474	530
		EU 85%	227	326	370	420	508	586	655
	1,15	EU 90%	200	249	294	320	385	443	501
		EU 85%	213	298	314	399	476	552	620
	1,50	EU 90%	173	196	245	259	309	359	402
		EU 85%	187	234	266	315	380	442	499
	2,10	EU 90%	123	153	180	205	251	289	327
		EU 85%	137	178	200	254	305	355	392
	3,80	EU 90%	88	109	129	145	174	201	228
		EU 85%	96	135	141	181	193	248	278
29	0,80	EU 90%	400	580	606	750	900	1037	1165
		EU 85%	322	470	477	605	727	838	940
	1,00	EU 90%	315	482	553	624	749	864	970
		EU 85%	259	383	443	503	617	702	816
	1,15	EU 90%	290	426	463	499	596	686	744
		EU 85%	230	303	324	345	422	492	559
	1,50	EU 90%	255	356	409	462	555	640	719
		EU 85%	200	276	320	363	444	518	588
	2,10	EU 90%	216	300	344	387	465	536	602
		EU 85%	168	218	252	285	351	409	464
	3,80	EU 90%	131	179	206	232	279	322	362
		EU 85%	58	144	167	189	233	271	308

RECOMMENDED LENGTHS DEPENDING ON THE VARIATION IN FLOW RATE (M)

Ø _{nom} mm	Dripper flow-rate l/h	Flow-rate variation	Emitters spacing (cm)						
			15	20	25	30	40	50	60
16	0,80	10%	100	124	146	166	203	237	268
		15%	117	144	170	193	236	275	311
	1,00	10%	73	88	104	117	142	170	192
		15%	85	103	123	138	169	197	220
	1,15	10%	76	94	110	125	153	179	202
		15%	89	109	129	146	179	209	236
	1,50	10%	64	79	93	106	129	151	170
		15%	74	92	108	123	150	176	199
	2,10	10%	51	62	73	83	101	118	133
		15%	59	72	85	97	118	137	155
	3,80	10%	36	44	52	59	72	85	95
		15%	41	51	60	69	84	98	111
22	0,80	10%	170	211	249	284	349	408	463
		15%	197	245	290	331	406	475	539
	1,00	10%	121	152	178	203	243	289	331
		15%	141	177	204	235	287	339	378
	1,15	10%	127	158	186	212	261	305	346
		15%	147	184	217	248	304	356	404
	1,50	10%	111	139	164	187	230	269	305
		15%	130	161	191	218	268	313	404
	2,10	10%	84	104	123	140	172	201	227
		15%	98	122	143	163	200	234	264
	3,80	10%	59	74	87	100	122	143	163
		15%	69	86	101	116	142	167	190
29	0,80	10%	235	293	342	390	479	568	612
		15%	270	339	398	456	562	668	721
	1,00	10%	189	234	272	310	384	458	491
		15%	217	271	320	369	445	521	566
	1,15	10%	167	210	246	281	345	409	441
		15%	194	241	283	325	397	469	507
	1,50	10%	147	184	216	247	300	353	382
		15%	170	214	253	291	355	419	454
	2,10	10%	126	154	183	211	256	301	326
		15%	149	179	213	246	302	357	385
	3,80	10%	75	95	113	131	158	184	201
		15%	89	110	130	150	184	217	235

Ø 16 MM - THICKNESS 6 MIL

Flow-rate	0,8		1		1,15		1,5		2,1		3,8		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL350-L	■	TSAL340-L	■	TSAL410-L	■	TSAL420-L	■	TSAL050-L	■	TSAL060-L	■	2.500	0,0878
20	TSAL351-L	■	TSAL341-L	■	TSAL411-L	■	TSAL421-L	■	TSAL051-L	■	TSAL061-L	■	2.800	0,0780
25	TSAL352-L	■	TSAL342-L	■	TSAL412-L	■	TSAL422-L	■	TSAL052-L	■	TSAL062-L	■	3.000	0,0696
30	TSAL353-L	■	TSAL343-L	■	TSAL413-L	■	TSAL423-L	■	TSAL053-L	■	TSAL063-L	■	3.000	0,0669
40	TSAL354-L	■	TSAL344-L	■	TSAL414-L	■	TSAL424-L	■	TSAL054-L	■	TSAL064-L	■	3.000	0,0647
50	TSAL355-L	■	TSAL345-L	■	TSAL415-L	■	TSAL425-L	■	TSAL055-L	■	TSAL065-L	■	3.000	0,0636
60	TSAL356-L	■	TSAL346-L	■	TSAL416-L	■	TSAL426-L	■	TSAL056-L	■	TSAL066-L	■	3.000	0,0632

Ø 16 MM - THICKNESS 8 MIL

Flow-rate	0,8		1		1,15		1,5		2,1		3,8		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL140-L	■	TSAL013-L	■	TSAL150-L	■	TSAL180-L	■	TSAL190-L	■	TSAL200-L	■	2.000	0,0931
20	TSAL141-L	■	TSAL014-L	■	TSAL151-L	■	TSAL181-L	■	TSAL191-L	■	TSAL201-L	■	2.300	0,0850
25	TSAL142-L	■	TSAL015-L	■	TSAL172-L	■	TSAL182-L	■	TSAL192-L	■	TSAL202-L	■	2.500	0,0800
30	TSAL143-L	■	TSAL016-L	■	TSAL153-L	■	TSAL183-L	■	TSAL193-L	■	TSAL203-L	■	2.500	0,0785
40	TSAL144-L	■	TSAL018-L	■	TSAL154-L	■	TSAL184-L	■	TSAL194-L	■	TSAL204-L	■	2.500	0,0765
50	TSAL145-L	■	TSAL019-L	■	TSAL155-L	■	TSAL185-L	■	TSAL195-L	■	TSAL205-L	■	2.500	0,0755
60	TSAL146-L	■	TSAL020-L	■	TSAL156-L	■	TSAL186-L	■	TSAL196-L	■	TSAL206-L	■	2.500	0,0740

Ø 16 MM - THICKNESS 10 MIL

Flow-rate	0,8		1		1,15		1,5		2,1		3,8		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL442-L	■	TSAL025-L	■	TSAL449-L	■	TSAL470-L	■	TSAL480-L	■	TSAL477-L	■	1.800	0,1090
20	TSAL443-L	■	TSAL026-L	■	TSAL466-L	■	TSAL471-L	■	TSAL481-L	■	TSAL478-L	■	2.000	0,1020
25	TSAL444-L	■	TSAL027-L	■	TSAL467-L	■	TSAL472-L	■	TSAL482-L	■	TSAL479-L	■	2.000	0,0970
30	TSAL448-L	■	TSAL028-L	■	TSAL468-L	■	TSAL473-L	■	TSAL483-L	■	TSAL456-L	■	2.000	0,0928
40	TSAL445-L	■	TSAL030-L	■	TSAL469-L	■	TSAL474-L	■	TSAL484-L	■	TSAL457-L	■	2.000	0,0895
50	TSAL446-L	■	TSAL031-L	■	TSAL436-L	■	TSAL475-L	■	TSAL485-L	■	TSAL458-L	■	2.000	0,0894
60	TSAL447-L	■	TSAL032-L	■	TSAL437-L	■	TSAL476-L	■	TSAL486-L	■	TSAL459-L	■	2.000	0,0890

Ø 16 MM - THICKNESS 12 MIL

Flow-rate	0,8		1		1,15		1,5		2,1		3,8		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL500-L	■	TSAL550-L	■	TSAL510-L	■	TSAL520-L	■	TSAL530-L	■	TSAL540-L	■	1.300	0,1275
20	TSAL501-L	■	TSAL551-L	■	TSAL511-L	■	TSAL521-L	■	TSAL531-L	■	TSAL541-L	■	1.500	0,1214
25	TSAL502-L	■	TSAL552-L	■	TSAL515-L	■	TSAL522-L	■	TSAL532-L	■	TSAL542-L	■	1.500	0,1180
30	TSAL503-L	■	TSAL553-L	■	TSAL512-L	■	TSAL523-L	■	TSAL533-L	■	TSAL543-L	■	1.500	0,1150
40	TSAL504-L	■	TSAL554-L	■	TSAL513-L	■	TSAL524-L	■	TSAL534-L	■	TSAL544-L	■	1.500	0,1110
50	TSAL505-L	■	TSAL555-L	■	TSAL514-L	■	TSAL525-L	■	TSAL535-L	■	TSAL545-L	■	1.500	0,1100
60	TSAL506-L	■	TSAL556-L	■	TSAL516-L	■	TSAL526-L	■	TSAL536-L	■	TSAL546-L	■	1.500	0,1095

Ø 16 MM - THICKNESS 15 MIL

Flow-rate	0,8		1		1,15		1,5		2,1		3,8		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL560-L	■	TSAL570-L	■	TSAL270-L	■	TSAL620-L	■	TSAL630-L	■	TSAL580-L	■	1.000	0,1660
20	TSAL561-L	■	TSAL571-L	■	TSAL271-L	■	TSAL621-L	■	TSAL631-L	■	TSAL581-L	■	1.200	0,1500
25	TSAL562-L	■	TSAL572-L	■	TSAL272-L	■	TSAL622-L	■	TSAL636-L	■	TSAL582-L	■	1.200	0,1450
30	TSAL563-L	■	TSAL573-L	■	TSAL273-L	■	TSAL623-L	■	TSAL632-L	■	TSAL583-L	■	1.200	0,1400
40	TSAL564-L	■	TSAL574-L	■	TSAL274-L	■	TSAL624-L	■	TSAL633-L	■	TSAL584-L	■	1.200	0,1392
50	TSAL565-L	■	TSAL575-L	■	TSAL275-L	■	TSAL625-L	■	TSAL634-L	■	TSAL585-L	■	1.200	0,1377
60	TSAL566-L	■	TSAL576-L	■	TSAL276-L	■	TSAL626-L	■	TSAL635-L	■	TSAL586-L	■	1.200	0,1363

Ø 16 MM - THICKNESS 18 MIL

Flow-rate	0,8		1		1,15		1,5		2,1		3,8		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL590-L	■	TSAL596-L	■	TSAL603-L	■	TSAL671-L	■	TSAL680-L	■	TSAL690-L	■	800	0,1921
20	TSAL591-L	■	TSAL597-L	■	TSAL604-L	■	TSAL670-L	■	TSAL681-L	■	TSAL691-L	■	1.000	0,1771
25	TSAL592-L	■	TSAL598-L	■	TSAL605-L	■	TSAL673-L	■	TSAL682-L	■	TSAL692-L	■	1.000	0,1755
30	TSAL593-L	■	TSAL599-L	■	TSAL606-L	■	TSAL672-L	■	TSAL683-L	■	TSAL693-L	■	1.000	0,1739
40	TSAL594-L	■	TSAL600-L	■	TSAL607-L	■	TSAL674-L	■	TSAL684-L	■	TSAL694-L	■	1.000	0,1633
50	TSAL595-L	■	TSAL601-L	■	TSAL608-L	■	TSAL675-L	■	TSAL685-L	■	TSAL695-L	■	1.000	0,1610
60	TSAL596-L	■	TSAL602-L	■	TSAL609-L	■	TSAL676-L	■	TSAL686-L	■	TSAL696-L	■	1.000	0,1599

Legend ■ Available in stock ■ On order

DRIPLINE LIGHT

Discount category B



Ø 22 MM - THICKNESS 8 MIL

Flow-rate	0,8		1		1,15		1,5		2,1		3,8		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL805-L	■	TSAL080-L	■	TSAL710-L	■	TSAL720-L	■	TSAL730-L	■	TSAL910-L	■	1.600	0,1181
20	TSAL806-L	■	TSAL081-L	■	TSAL717-L	■	TSAL721-L	■	TSAL731-L	■	TSAL911-L	■	1.800	0,1134
25	TSAL807-L	■	TSAL082-L	■	TSAL716-L	■	TSAL722-L	■	TSAL732-L	■	TSAL912-L	■	1.800	0,1103
30	TSAL808-L	■	TSAL083-L	■	TSAL718-L	■	TSAL723-L	■	TSAL733-L	■	TSAL913-L	■	1.800	0,0994
40	TSAL809-L	■	TSAL085-L	■	TSAL719-L	■	TSAL724-L	■	TSAL734-L	■	TSAL914-L	■	1.800	0,0980
50	TSAL810-L	■	TSAL084-L	■	TSAL712-L	■	TSAL725-L	■	TSAL735-L	■	TSAL915-L	■	1.800	0,0978
60	TSAL811-L	■	TSAL086-L	■	TSAL715-L	■	TSAL726-L	■	TSAL737-L	■	TSAL916-L	■	1.800	0,0975

Ø 22 MM - THICKNESS 10 MIL

Flow-rate	0,8		1		1,15		1,5		2,1		3,8		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL795-L	■	TSAL940-L	■	TSAL950-L	■	TSAL770-L	■	TSAL780-L	■	TSAL957-L	■	1.300	0,1493
20	TSAL796-L	■	TSAL941-L	■	TSAL951-L	■	TSAL771-L	■	TSAL781-L	■	TSAL958-L	■	1.500	0,1350
25	TSAL797-L	■	TSAL942-L	■	TSAL952-L	■	TSAL772-L	■	TSAL782-L	■	TSAL959-L	■	1.500	0,1343
30	TSAL798-L	■	TSAL943-L	■	TSAL953-L	■	TSAL773-L	■	TSAL783-L	■	TSAL957-L	■	1.500	0,1220
40	TSAL799-L	■	TSAL944-L	■	TSAL954-L	■	TSAL774-L	■	TSAL784-L	■	TSAL958-L	■	1.500	0,1199
50	TSAL791-L	■	TSAL945-L	■	TSAL955-L	■	TSAL775-L	■	TSAL785-L	■	TSAL959-L	■	1.500	0,1196
60	TSAL790-L	■	TSAL946-L	■	TSAL956-L	■	TSAL776-L	■	TSAL786-L	■	TSAL777-L	■	1.500	0,1194

Ø 22 MM - THICKNESS 12 MIL

Flow-rate	0,8		1		1,15		1,5		2,1		3,8		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL814-L	■	TSAL900-L	■	TSAL840-L	■	TSAL850-L	■	TSAL830-L	■	TSAL890-L	■	1.000	0,1835
20	TSAL815-L	■	TSAL901-L	■	TSAL841-L	■	TSAL851-L	■	TSAL831-L	■	TSAL891-L	■	1.200	0,1669
25	TSAL816-L	■	TSAL902-L	■	TSAL842-L	■	TSAL852-L	■	TSAL832-L	■	TSAL892-L	■	1.200	0,1593
30	TSAL803-L	■	TSAL903-L	■	TSAL843-L	■	TSAL853-L	■	TSAL833-L	■	TSAL893-L	■	1.200	0,1510
40	TSAL817-L	■	TSAL904-L	■	TSAL844-L	■	TSAL854-L	■	TSAL834-L	■	TSAL894-L	■	1.200	0,1490
50	TSAL818-L	■	TSAL905-L	■	TSAL845-L	■	TSAL855-L	■	TSAL835-L	■	TSAL895-L	■	1.200	0,1470
60	TSAL819-L	■	TSAL906-L	■	TSAL846-L	■	TSAL856-L	■	TSAL836-L	■	TSAL896-L	■	1.200	0,1460

Ø 22 MM - THICKNESS 15 MIL

Flow-rate	0,8		1		1,15		1,5		2,1		3,8		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL960-L	■	TSAL970-L	■	TSAL980-L	■	TSAL990-L	■	TSAL870-L	■	TSAL967-L	■	700	0,2178
20	TSAL961-L	■	TSAL971-L	■	TSAL981-L	■	TSAL991-L	■	TSAL871-L	■	TSAL968-L	■	900	0,2020
25	TSAL962-L	■	TSAL972-L	■	TSAL982-L	■	TSAL992-L	■	TSAL872-L	■	TSAL969-L	■	900	0,1845
30	TSAL963-L	■	TSAL973-L	■	TSAL983-L	■	TSAL993-L	■	TSAL873-L	■	TSAL977-L	■	900	0,1820
40	TSAL964-L	■	TSAL974-L	■	TSAL984-L	■	TSAL994-L	■	TSAL874-L	■	TSAL978-L	■	900	0,1790
50	TSAL965-L	■	TSAL975-L	■	TSAL985-L	■	TSAL995-L	■	TSAL875-L	■	TSAL979-L	■	900	0,1772
60	TSAL966-L	■	TSAL976-L	■	TSAL986-L	■	TSAL996-L	■	TSAL876-L	■	TSAL987-L	■	900	0,1761

Ø 29 MM - THICKNESS 10 MIL

Flow-rate	0,8		1		1,15		1,5		2,1		3,8		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL100-L	■	TSAL120-L	■	TSAL130-L	■	TSAL230-L	■	TSAL240-L	■	TSAL250-L	■	1.000	0,1874
20	TSAL101-L	■	TSAL121-L	■	TSAL131-L	■	TSAL231-L	■	TSAL241-L	■	TSAL251-L	■	1.200	0,1836
25	TSAL102-L	■	TSAL122-L	■	TSAL132-L	■	TSAL232-L	■	TSAL242-L	■	TSAL252-L	■	1.200	0,1812
30	TSAL103-L	■	TSAL123-L	■	TSAL133-L	■	TSAL233-L	■	TSAL243-L	■	TSAL253-L	■	1.200	0,1798
40	TSAL104-L	■	TSAL124-L	■	TSAL134-L	■	TSAL234-L	■	TSAL244-L	■	TSAL254-L	■	1.200	0,1777
50	TSAL105-L	■	TSAL125-L	■	TSAL135-L	■	TSAL235-L	■	TSAL245-L	■	TSAL255-L	■	1.200	0,1767
60	TSAL106-L	■	TSAL126-L	■	TSAL136-L	■	TSAL236-L	■	TSAL246-L	■	TSAL256-L	■	1.200	0,1758

Ø 29 MM - THICKNESS 12 MIL

Flow-rate	0,8		1		1,15		1,5		2,1		3,8		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
15	TSAL280-L	■	TSAL290-L	■	TSAL300-L	■	TSAL310-L	■	TSAL320-L	■	TSAL330-L	■	800	0,2117
20	TSAL281-L	■	TSAL291-L	■	TSAL301-L	■	TSAL311-L	■	TSAL321-L	■	TSAL331-L	■	1.000	0,2075
25	TSAL282-L	■	TSAL292-L	■	TSAL302-L	■	TSAL312-L	■	TSAL322-L	■	TSAL332-L	■	1.000	0,2048
30	TSAL283-L	■	TSAL293-L	■	TSAL303-L	■	TSAL313-L	■	TSAL323-L	■	TSAL333-L	■	1.000	0,2032
40	TSAL284-L	■	TSAL294-L	■	TSAL304-L	■	TSAL314-L	■	TSAL324-L	■	TSAL334-L	■	1.000	0,2008
50	TSAL285-L	■	TSAL295-L	■	TSAL305-L	■	TSAL315-L	■	TSAL325-L	■	TSAL335-L	■	1.000	0,1997
60	TSAL286-L	■	TSAL296-L	■	TSAL306-L	■	TSAL316-L	■	TSAL326-L	■	TSAL336-L	■	1.000	0,1987

Legend ■ Available in stock ■ On order

Discount category A



Ø 16 MM T-SAL L - THICKNESS 8 MIL

Flow-rate	1,5		2,2		Coil m	€/coil
Spac. cm	Code	Avail.	Code	Avail.		
20	TSAL1072	■	TSAL1082	■	250	38,40
30	TSAL1074	■	TSAL1084	■	250	32,90

No. 64 coils per pallet

Legend ■ Available in stock ■ On order

LIGHT DRIPLINE FITTINGS

T-SAL FITTINGS

Code	Description	Hole Ø on pipeline	Ø	Box	€/each
RLF024	Start layflat for T-SAL	14 mm	16 mm	500	0,70
RLF025	Start layflat for T-SAL	14 mm	22 mm	400	1,29
RLF007	Start layflat for T-SAL	19 mm	16 mm	400	1,29
RLF008	Start layflat for T-SAL	19 mm	22 mm	350	1,34
RMP616	Start pipe PE for T-SAL	7,5 mm	16 mm	3.200	0,38
RMP618	Start pipe PE for T-SAL	7,5 mm	22 mm	1.600	0,45
RMP626	Sleeve for T-SAL		16 mm	2.000	0,31
RMP627	Sleeve for T-SAL		22 mm	1.000	0,59
RMP777	¾" male thr. fitting x T-SAL		16 mm x ¾"	600	0,55
RMP776	¾" male thr. fitting x T-SAL		22 mm x ¾"	500	0,80
RMP631	Tee for T-SAL with male derivation ½"		16 x ½"	350	1,45
RMP632	Tee for T-SAL with male derivation ½"		22 x ½"	250	2,00
RMP637	Elbow for T-SAL with male derivation ½"		16 x ½"	700	1,31
RMP638	Elbow for T-SAL with male derivation ½"		22 x ½"	500	1,57
RMP597	End of line x T-SAL		16	100	0,40
RMP598	End of line x T-SAL		22	100	0,62

Note: ring colour shown here is purely indicative

MINIVALVES WITH RING FOR T-SAL

Code	Ø	Description	Box	€/each
FRS006	¾" x 16	¾" female valves x T-SAL	1 - 50	1,41
FRS007	¾" x 22	¾" female valves x T-SAL	1 - 50	1,61
FRS024	¾" x 16	¾" male valves x T-SAL	1 - 50	1,06
FRS005	¾" x 22	¾" male valves x T-SAL	1 - 50	1,27
FRS025	16	Valve from T-SAL with floating ring to PE pipe	1 - 50	1,11
FRS027	22	Valve from T-SAL with floating ring to PE pipe	1 - 50	1,33
FRS108	16	T-SAL valve x layflat	1 - 50	1,45
FRS109	22	T-SAL valve x layflat	1 - 50	1,71
FRS112	16	T-SAL valve	1 - 50	1,36
FRS113	22	T-SAL valve	1 - 50	1,43

Note: ring colour shown here is purely indicative

HEAVY DRIPLINES

Discount category B

MAXI DRIP DL



APPLICATION

- Protected crops on soil
- Nursery
- Tree crops

SPECIFICS

- 1 pipe wall thicknesses
- C.V. dripper: < 1.5%

FEATURES

- Co-extruded dripper in the wing production phase
- High resistance to clogging
- Large surface inlet filter

MATERIALS

- Dripper: polyethylene

- 2 types of packaging: flat and round
- 4 flow drippers
- Dripper with turbulent flow labyrinth and large passages
- Pipe: Linear Pe and PEBD

PRESSURE/FLOW RATE RATIO

Flow-rate l/h	mH2O							Filrazione mesh
	6	10	15	20	25	30	35	
1,2	1,0	1,2	1,6	1,7	2,0	2,1	2,3	120
1,6	1,3	1,6	2,0	2,3	2,6	2,8	3,0	120
2,0	1,6	2,0	2,5	2,8	3,2	3,5	3,8	120
3,2	2,5	3,2	4,0	4,4	5,0	5,3	5,8	120

TECHNICAL FEATURES

Ø _{nom} mm	Thickness		Ø _{int}	Ø _{ext}	Max P mH2O
	mm	mil			
16	0,9	36	16,10	17,90	35
20	0,9	36	17,50	19,30	35

COILS NUMBER PER SHIPMENT

Model	Ø _{nom} mm	Coil dimensions cm	Coils for pallet pcs	Pallet dimensions cm	Maxi loading quantity - Coils or rolls			
					20"	40"	40" HC	Truck
Flat in cardboard reel	16	57,5 x 19,5	20	116 x 116 x 112	400	800	960	1056
	20	57,5 x 19,5	20	116 x 116 x 112	400	800	960	1056
Round in roll	16	80,0 x 30,0		loose	177	360	405	450
	20	80,0 x 30,0		loose	147	294	336	384

RECOMMENDED LENGTHS DEPENDING ON THE VARIATION IN FLOW RATE (M)

Ø _{nom} mm	Dripper flow-rate l/h	Flow-rate variation	Inlet pressure mH ₂ O					
			10		12		15	
			Emitters spacing (cm)					
			30	40	30	40	30	40
16	1,2	10%	99	120	103	126	109	134
	1,6		81	99	84	103	90	110
	2,0		71	86	73	90	78	96
	3,2		55	66	57	69	60	74
22	1,2	10%	156	186	162	195	172	207
	1,6		128	153	133	160	141	170
	2,0		111	133	116	139	123	148
	3,2		86	103	90	107	95	114



Ø 16 MM FLAT - THICKNESS 36 MIL

Flow-rate	1,2		1,6		2		3,2		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
30	TSAL885-DL	■	TSAL883-DL	■	TSAL922-DL	■	TSAL924-DL	■	500	0,2690
40	TSAL886-DL	■	TSAL884-DL	■	TSAL923-DL	■	TSAL925-DL	■	500	0,2650

Ø 20 MM FLAT - THICKNESS 36 MIL

Flow-rate	1,2		1,6		2		3,2		Coil m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
30	TSAL1101-DL	■	TSAL1103-DL	■	TSAL1113-DL	■	TSAL1115-DL	■	400	0,3290
40	TSAL1102-DL	■	TSAL1104-DL	■	TSAL1114-DL	■	TSAL1116-DL	■	400	0,3250



Ø 16 MM ROUND - THICKNESS 36 MIL

Flow-rate	1,2		1,6		2		3,2		Roll m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
30	TSAL1120-DL	■	TSAL1122-DL	■	TSAL1124-DL	■	TSAL1126-DL	■	400	0,2800
40	TSAL1121-DL	■	TSAL1123-DL	■	TSAL1125-DL	■	TSAL1127-DL	■	400	0,2760

Ø 20 MM ROUND - THICKNESS 36 MIL

Flow-rate	1,2		1,6		2		3,2		Roll m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
30	TSAL1130-DL	■	TSAL1132-DL	■	TSAL1134-DL	■	TSAL1136-DL	■	300	0,3420
40	TSAL1131-DL	■	TSAL1133-DL	■	TSAL1135-DL	■	TSAL1137-DL	■	300	0,3400

HEAVY DRIPLINES

Discount category B

NEW GR



- Tree crops
- Protected crops on soil

- 5 flow drippers
- 2 pipe wall thicknesses

- Cylindrical dripper with turbulent flow labyrinth and large passages
- Co-extruded dripper in the wing production phase

- Pipe: Linear Pe and PEBD

APPLICATION

- Nursery

SPECIFICS

- C.V. dripper: < 3%
- 2 water outlet holes (4 holes on request)

FEATURES

- Dripper length 32 mm
- (on request 69 mm with 4 holes)
- High resistance to clogging
- Large surface inlet filter
- High filter

MATERIALS

- Dripper: polyethylene

PRESSURE/FLOW RATE RATIO

Flow-rate l/h	mH2O						Mesh filtering
	5	10	15	20	25	30	
1,0	0,88	0,97	1,10	1,15	1,21	1,30	120
1,6	1,50	1,55	1,60	1,65	1,70	1,75	120
2,0	1,70	2,05	2,55	2,95	3,40	3,70	120
4,0	2,65	4,15	4,70	5,50	6,20	6,80	120
8,0	5,20	7,70	8,90	10,20	11,70	12,80	120

TECHNICAL FEATURES

\varnothing_{nom} mm	Thickness	\varnothing_{int}	\varnothing_{ext}	Max P
mm				mH2O
16	1,10	13,70	15,90	45
20	1,20	17,50	19,90	45

ROLLS FOR SHIPPING

\varnothing_{nom} mm	Container 20 ft	Container 40 ft	Container 40 Ft HC	Truck
16	177	360	405	450
20	147	294	336	384

GR dripline on request

RECOMMENDED LENGTHS DEPENDING ON THE EMISSION UNIFORMITY (M)

Ø _{nom} mm	Dripper flow-rate l/h	Coeff. Uniformity	Emitters spacing (cm)				
			30	40	50	60	80
16	1,0	85%	147	172	205	232	279
		90%	119	142	166	185	216
	1,6	85%	142	165	196	225	265
		90%	115	139	161	181	211
	2,0	85%	139	148	193	220	258
		90%	111	135	157	177	206
	4,0	85%	88	107	124	137	163
		90%	70	85	100	112	130
20	1,0	85%	224	290	331	363	448
		90%	242	298	345	390	455
	1,6	85%	220	278	319	354	424
		90%	209	253	294	332	386
	2,0	85%	216	266	307	345	400
		90%	174	211	245	277	322
	4,0	85%	173	213	246	276	320
		90%	139	169	196	222	258
	8,0	85%	68	75	85	100	115
		90%	55	59	70	80	90

Inlet pressure 10 mH2O

RECOMMENDED LENGTHS DEPENDING ON THE VARIATION IN FLOW RATE (M)

Ø _{nom} mm	Dripper flow-rate l/h	Flow-rate variation	Emitters spacing (cm)				
			30	40	50	60	80
16	1,0	10%	94	124	136	153	173
	1,6		75	91	108	123	139
	2,0		58	72	86	95	117
	4,0		38	47	55	64	77
20	1,0		115	142	167	188	229
	1,6		99	126	143	163	199
	2,0		83	101	117	134	163
	4,0		64	78	91	104	125
	8,0		41	51	60	69	82

Inlet pressure 10 mH2O

Ø 16 MM - THICKNESS 1,1 MM

Flow-rate Spac. cm	1		1,6		2,0		4,0		Roll m	€/m
	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
20	TSAP300	■	TSAP320	■	TSAP360	■	TSAP340	■	400	0,3690
30	TSAP301	■	TSAP321	■	TSAP361	■	TSAP341	■	400	0,3240
40	TSAP306	■	TSAP322	■	TSAP362	■	TSAP342	■	400	0,3060
50	TSAP307	■	TSAP323	■	TSAP363	■	TSAP343	■	400	0,2970
60	TSAP308	■	TSAP324	■	TSAP364	■	TSAP344	■	400	0,2880
80	TSAP309	■	TSAP325	■	TSAP365	■	TSAP345	■	400	0,2790

Ø 20 MM - THICKNESS 1,2 MM

Flow-rate Spac. cm	1		1,6		2,0		4,0		8,0		Roll m	€/m
	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.	Code	Avail.		
20	TSAP310	■	TSAP370	■	TSAP330	■	TSAP350	■	TSAP390	■	300	0,5130
30	TSAP311	■	TSAP371	■	TSAP331	■	TSAP351	■	TSAP391	■	300	0,4560
40	TSAP312	■	TSAP372	■	TSAP332	■	TSAP352	■	TSAP392	■	300	0,4275
50	TSAP313	■	TSAP373	■	TSAP333	■	TSAP353	■	TSAP393	■	300	0,4180
60	TSAP314	■	TSAP374	■	TSAP334	■	TSAP354	■	TSAP394	■	300	0,4085
80	TSAP315	■	TSAP375	■	TSAP335	■	TSAP355	■	TSAP395	■	300	0,3895

Legend ■ Available in stock ■ On order

PC HEAVY DRIPLINES

Discount category B

PC2

APPLICATION

- Tree crops
- sub-irrigation systems on extensive crops
- Nursery

SPECIFICS

- 3 flow drippers
- 2 pipe wall thicknesses
- C.V. dripper: < 1.5%
- 2 water outlet holes
- working range 8 - 40 mH2O

FEATURES

- Cylindrical dripper with turbulent flow labyrinth and large passages
- Co-extruded dripper in the wing production phase
- Self-compensating dripper
- High resistance to clogging
- Large surface inlet filter
- Filter in elevated position

MATERIALS

- Pipe: Linear Pe and PEBD
- Dripper: polyethylene
- Membrane: silicone polymer



SELF-COMPENSATION RANGE

Flow-rate _{nom} l/h	Ø	mH2O	Mesh filtering
1,6	16/20	5 ÷ 40	120
2,2	16/20	5 ÷ 40	120
4,0	16/20	5 ÷ 40	120

TECHNICAL FEATURES

Ø _{nom} mm	Thickness	Ø _{int}	Ø _{ext}	Max P
mm				mH2O
16	1,1	13,8	16,0	40
20	1,2	17,6	20,0	40

ROLLS FOR SHIPPING

Ø _{nom} mm	Container 20 ft	Container 40 ft HC	Truck
16	180	400	442
20	130	300	380

RECOMMENDED MAXIMUM LENGTH - IN M - ON FLAT (FIELD)

Ø _{nom} mm	Dripper flow-rate l/h	Inlet pressure bar	Emitters spacing (cm)				
			30	40	50	60	80
16	1,6	1	95	120	145	169	218
		2	115	148	179	209	270
		3	136	176	214	248	321
		4	156	202	246	286	368
	2,2	1	69	88	105	123	154
		2	84	108	130	152	191
		3	103	132	160	187	235
		4	118	151	183	214	268
	4,0	1	50	63	77	90	112
		2	61	78	95	111	139
		3	75	96	117	137	171
		4	85	110	132	154	195
20	1,6	1	156	196	236	268	316
		2	195	246	294	337	397
		3	240	302	360	415	490
		4	273	343	410	474	558
	2,2	1	122	154	185	209	259
		2	153	193	230	263	326
		3	188	237	282	324	402
		4	214	269	321	370	458
	4,0	1	81	102	123	140	173
		2	102	128	153	175	218
		3	125	158	188	216	268
		4	143	180	215	248	305

Ø 16 MM - THICKNESS 1,1 MM

Flow-rate Spac. cm	1,6		2,2		4,0		Roll m	€/m
	Code	Avail.	Code	Avail.	Code	Avail.		
30	TSAU072	■	TSAU022	■	TSAU044	■	400	0,4720
40	TSAU073	■	TSAU023	■	TSAU045	■	400	0,4400
50	TSAU074	■	TSAU024	■	TSAU042	■	400	0,4000
60	TSAU075	■	TSAU025	■	TSAU046	■	400	0,3840
80	TSAU078	■	TSAU026	■	TSAU048	■	400	0,3680

Ø 20 MM - THICKNESS 1,2 MM

Flow-rate Spac. cm	1,6		2,2		4,0		Roll m	€/m
	Code	Avail.	Code	Avail.	Code	Avail.		
30	TSAU083	■	TSAU032	■	TSAU050	■	300	0,6132
40	TSAU085	■	TSAU033	■	TSAU051	■	300	0,5712
50	TSAU086	■	TSAU034	■	TSAU052	■	300	0,5376
60	TSAU087	■	TSAU035	■	TSAU053	■	300	0,5180
80	TSAU089	■	TSAU036	■	TSAU054	■	300	0,5000

Legend ■ Available in stock ■ On order

PC HEAVY DRIPLINES

Discount category B

PC2 AS ND



APPLICATION

- Tree crops
- sub-irrigation systems on extensive crops
- Nursery

SPECIFICS

- 3 flow drippers
- 2 pipe wall thicknesses
- C.V. dripper: < 1.5%
- 2 water outlet holes
- Working range 8 - 40 mH2O
- Closing pressure 2 mH2O

FEATURES

- Cylindrical dripper with turbulent flow labyrinth and large passages
- Co-extruded dripper in the wing production phase
- Self-compensating anti-siphon and anti-drain dripper
- High resistance to clogging
- Large surface inlet filter
- Filter in elevated position

MATERIALS

- Pipe: Linear Pe and PEBD
- Dripper: polyethylene
- Membrane: silicone polymer

SELF-COMPENSATION RANGE

Flow-rate _{nom} l/h	Ø	mH2O	Mesh filtering
1,6	16/20	5 ÷ 40	120
2,2	16/20	5 ÷ 40	120
4,0	16/20	5 ÷ 40	120

TECHNICAL FEATURES

Ø _{nom} mm	Thickness	Ø _{int}	Ø _{ext}	Max P
mm				mH2O
16	1,1	13,8	16,0	40
20	1,2	17,6	20,0	40

ROLLS FOR SHIPPING

Ø _{nom} mm	Container 20 ft	Container 40 ft HC	Truck
16	180	400	442
20	130	300	380

RECOMMENDED MAXIMUM LENGTH - IN M - ON FLAT (FIELD)

Ø _{nom} mm	Dripper flow-rate l/h	Inlet pressure bar	Emitters spacing (cm)				
			30	40	50	60	80
16	1,6	1	95	120	145	169	218
		2	115	148	179	209	270
		3	136	176	214	248	321
		4	156	202	246	286	368
	2,2	1	69	88	105	123	154
		2	84	108	130	152	191
		3	103	132	160	187	235
		4	118	151	183	214	268
	4,0	1	50	63	77	90	112
		2	61	78	95	111	139
		3	75	96	117	137	171
		4	85	110	132	154	195
20	1,6	1	156	196	236	268	316
		2	195	246	294	337	397
		3	240	302	360	415	490
		4	273	343	410	474	558
	2,2	1	122	154	185	209	259
		2	153	193	230	263	326
		3	188	237	282	324	402
		4	214	269	321	370	458
	4,0	1	81	102	123	140	173
		2	102	128	153	175	218
		3	125	158	188	216	268
		4	143	180	215	248	305

Ø 16 MM - THICKNESS 1,1 MM

Flow-rate Spac. cm	1,6		2,2		4,0		Roll m	€/m
	Code	Avail.	Code	Avail.	Code	Avail.		
30	TAG262	■	TAG462	■	TAG472	■	400	0,5192
40	TAG263	■	TAG464	■	TAG473	■	400	0,4840
50	TAG264	■	TAG465	■	TAG474	■	400	0,4400
60	TAG265	■	TAG466	■	TAG475	■	400	0,4224
80	TAG266	■	TAG467	■	TAG476	■	400	0,4048

Ø 20 MM - THICKNESS 1,2 MM

Flow-rate Spac. cm	1,6		2,2		4,0		Roll m	€/m
	Code	Avail.	Code	Avail.	Code	Avail.		
30	TAG635	■	TAG645	■	TAG654	■	300	0,6745
40	TAG636	■	TAG646	■	TAG655	■	300	0,6283
50	TAG638	■	TAG647	■	TAG656	■	300	0,5914
60	TAG637	■	TAG648	■	TAG666	■	300	0,5544
80	TAG639	■	TAG649	■	TAG667	■	300	0,5636

Legend ■ Available in stock ■ On order

PC HEAVY DRIPLINES

Discount category B

SUPERDRIP PC



APPLICATION

- Tree crops
- Nursery

SPECIFICS

- 3 flow drippers
- 1 tube wall thickness
- C.V. dripper: < 2.5%
- 1 water outlet hole
- Working range 8 - 40 mH2O

FEATURES

- Plate dripper with turbulent flow labyrinth and large passages
- Self-compensating dripper
- High resistance to clogging
- Co-extruded dripper in the wing production phase
- Large surface inlet filter
- Filter in elevated position

MATERIALS

- Pipe: Linear Pe and PEBD
- Membrane: silicone polymer
- Dripper: polyethylene

SELF-COMPENSATION RANGE

Flow-rate _{nom} l/h	Ø	mH2O	Mesh filtering
1,2	16/20/23	5 ÷ 40	120
1,6	16/20/23	5 ÷ 40	120
2,0	16/20/23	5 ÷ 40	120

TECHNICAL FEATURES

Ø _{nom} mm	Thickness	Ø _{int}	Ø _{ext}	Max P
mm				mH2O
16	1,00	14,00	16,00	40
20	1,00	18,00	20,00	40
23	1,00	20,80	22,84	30

ROLLS FOR SHIPPING

Ø _{nom} mm	Container 20 ft	Container 40 ft HC	Truck
16	180	342	442
20	130	302	380
23*	240	588	672

*Cardboard reels

RECOMMENDED MAXIMUM LENGTH - IN M - ON FLAT (FIELD)

Ø _{nom} mm	Dripper flow-rate l/h	Inlet pressure bar	Emitters spacing (cm)						
			20	30	40	50	60	80	100
16	1,2	2	130	184	234	280	323	383	476
		3	154	218	277	332	383	455	566
		4	163	232	194	353	407	485	602
	1,6	2	92	132	169	201	234	289	340
		3	112	158	200	239	277	344	407
		4	124	177	223	268	310	388	458
	2,0	2	83	118	149	179	207	246	305
		3	98	139	178	213	246	293	363
		4	110	156	199	238	276	328	407
20	1,2	2	215	297	370	437	499	585	717
		3	255	352	439	519	593	696	853
		4	271	374	467	552	631	741	908
	1,6	2	155	213	267	312	359	441	517
		3	184	253	316	374	426	525	615
		4	207	284	355	418	478	588	687
	2,0	2	138	190	237	280	320	376	461
		3	164	226	282	334	381	448	549
		4	183	253	316	374	427	502	615
23	1,2	1	197	272	336	393	446	551	643
		2	283	387	483	569	651	797	922
		3	344	470	582	683	778	908	1106
	1,6	1	215	295	366	430	496	610	705
		2	255	352	436	513	587	717	841
		3	287	394	491	577	659	807	945
	2,0	1	129	173	214	255	293	361	418
		2	186	251	313	368	419	515	602
		3	219	300	372	438	499	582	710

Ø 16 MM - THICKNESS 1,0 MM

Flow-rate	1,2		1,6		2,0		Roll m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.		
20	TAG511	■	TAG410	■	TAG422	■	500	0,6730
30	TAG512	■	TAG411	■	TAG423	■	500	0,5930
40	TAG513	■	TAG412	■	TAG424	■	500	0,5550
50	TAG514	■	TAG413	■	TAG425	■	500	0,5290
60	TAG515	■	TAG414	■	TAG426	■	500	0,5130
70	TAG516	■	TAG415	■	TAG427	■	500	0,5050
80	TAG519	■	TAG416	■	TAG428	■	500	0,4950
90	TAG517	■	TAG417	■	TAG429	■	500	0,4880
100	TAG518	■	TAG418	■	TAG430	■	500	0,4820

Ø 20 MM - THICKNESS 1,0 MM

Flow-rate	1,2		1,6		2,0		Roll m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.		
20	TAG523	■	TAG771	■	TAG442	■	400	0,7570
30	TAG524	■	TAG772	■	TAG443	■	400	0,6730
40	TAG525	■	TAG773	■	TAG444	■	400	0,6330
50	TAG526	■	TAG774	■	TAG445	■	400	0,6100
60	TAG527	■	TAG775	■	TAG446	■	400	0,5900
70	TAG528	■	TAG776	■	TAG447	■	400	0,5800
80	TAG529	■	TAG777	■	TAG448	■	400	0,5720
90	TAG522	■	TAG778	■	TAG449	■	400	0,5650
100	TAG521	■	TAG779	■	TAG450	■	400	0,5590

Ø 23 MM - THICKNESS 1,0 MM

Flow-rate	1,2		1,6		2,0		Roll m	€/m
Spac. cm	Code	Avail.	Code	Avail.	Code	Avail.		
30	TAG060	■	TAG066	■	TAG031	■	350	0,8660
40	TAG061	■	TAG067	■	TAG032	■	350	0,8060
50	TAG062	■	TAG068	■	TAG033	■	350	0,7700
60	TAG063	■	TAG069	■	TAG034	■	350	0,7460

Legend ■ Available in stock ■ On order

PC HEAVY DRIPLINES

Discount category B

SUPERDRIP PC AS ND



- Tree crops
- Nursery
- 2 flow drippers
- 1 tube wall thickness
- C.V. dripper: < 2.5%
- Plate dripper with turbulent flow labyrinth and large passages
- Co-extruded dripper in the wing production phase
- Pipe: Linear Pe and PEBD
- Dripper: polyethylene

APPLICATION

- Greenhouse
- sub-irrigation systems on extensive crops

SPECIFICS

- 1 water outlet hole
- Working range 8 - 40 mH2O
- Opening pressure 2 mH2O

FEATURES

- Self-compensating anti-siphon and anti-drain dripper
- High resistance to clogging
- Large surface inlet filter
- Filter in elevated position

MATERIALS

- Membrane: silicone polymer

SELF-COMPENSATION RANGE

Flow-rate _{nom} l/h	Ø	mH2O	Mesh filtering
1,6	16/20/23	5 ÷ 40	120
2,0	16/20/23	5 ÷ 40	120

TECHNICAL FEATURES

Ø _{nom} mm	Thickness	Ø _{int}	Ø _{ext}	Max P
mm				mH2O
16	1,00	14,00	16,00	40
20	1,00	18,00	20,00	40
23	1,00	20,80	22,84	30

ROLLS FOR SHIPPING

Ø _{nom} mm	Container 20 ft	Container 40 ft HC	Truck
16	180	342	442
20	130	302	380
23*	240	588	672

*Cardboard reels

Legend



Available in stock



On order

RECOMMENDED MAXIMUM LENGTH - IN M - ON FLAT (FIELD)

Ø _{nom} mm	Dripper flow-rate l/h	Inlet pressure bar	Emitters spacing (cm)						
			20	30	40	50	60	80	100
16	1,6	2	92	132	169	201	234	289	340
		3	112	158	200	239	277	344	407
		4	124	177	223	268	310	388	458
	2,0	2	83	118	149	179	207	246	305
		3	98	139	178	213	246	293	363
		4	110	156	199	238	276	328	407
20	1,6	2	155	213	267	312	359	441	517
		3	184	253	316	374	426	525	615
		4	207	284	355	418	478	588	687
	2,0	2	138	190	237	280	320	376	461
		3	164	226	282	334	381	448	549
		4	183	253	316	374	427	502	615
23	1,6	1	215	295	366	430	496	610	705
		2	255	352	436	513	587	717	841
		3	287	394	491	577	659	807	945
	2,0	1	129	173	214	255	293	361	418
		2	186	251	313	368	419	515	602
		3	219	300	372	438	499	582	710

Ø 16 MM - THICKNESS 1,0 MM

Flow-rate Spac. cm	1,6		Roll m	2,0		Roll m	€/m
	Code	Avail.		Code	Avail.		
20	TAG072	■	400	TAG365	■	500	0,7067
30	TAG073	■	400	TAG367	■	500	0,6227
40	TAG074	■	400	TAG368	■	500	0,5828
50	TAG075	■	400	TAG369	■	500	0,5555
60	TAG076	■	400	TAG370	■	500	0,5387
70	TAG078	■	400	TAG371	■	500	0,5303
80	TAG079	■	400	TAG372	■	500	0,5198
90	TAG071	■	400	TAG373	■	500	0,5124
100	TAG070	■	400	TAG374	■	500	0,5061

Ø 20 MM - THICKNESS 1,0 MM

Flow-rate Spac. cm	1,6		Roll m	2,0		Roll m	€/m
	Code	Avail.		Code	Avail.		
20	TAG081	■	300	TAG375	■	400	0,7949
30	TAG082	■	300	TAG377	■	400	0,7067
40	TAG083	■	300	TAG378	■	400	0,6647
50	TAG084	■	300	TAG379	■	400	0,6405
60	TAG085	■	300	TAG380	■	400	0,6195
70	TAG086	■	300	TAG381	■	400	0,6090
80	TAG087	■	300	TAG382	■	400	0,6006
90	TAG088	■	300	TAG383	■	400	0,5933
100	TAG089	■	300	TAG384	■	400	0,5870

Ø 23 MM - THICKNESS 1,0 MM

Flow-rate Spac. cm	1,6		2,0		Roll m	€/m
	Code	Avail.	Code	Avail.		
30	TAG021	■	TAG041	■	350	0,9093
40	TAG022	■	TAG042	■	350	0,8463
50	TAG023	■	TAG042	■	350	0,8085
60	TAG024	■	TAG044	■	350	0,7833

Legend ■ Available in stock ■ On order

HEAVY DRIPLINE FITTINGS

Discount category A

BLACK FITTINGS WITH SAFETY FOR HEAVY DRIPLINE AND LDPE PIPE

Code	Description	Ø mm	B.	€/each
RMP813	Attachment with safety ring for heavy dripline	16 x ½"M	100	0,4520
RMP814	Attachment with safety ring for heavy dripline	16 x ¾"M	100	0,4520
RMP169	Attachment with safety ring for heavy dripline	20 x ½"M	100	0,4730
RMP170	Attachment with safety ring for heavy dripline	20 x ¾"M	100	0,4730
RMP790	Elbow with safety ring for heavy dripline	16 x ½"M	100	0,6990
RMP792	Elbow with safety ring for heavy dripline	20 x ½"M	100	0,7530
RMP793	Tee with safety ring for heavy dripline	16 x ½"M x 16	100	0,8600
RMP798	Tee with safety ring for heavy dripline	20 x ½"M x 20	50	0,9680
RMP174	End of line cap with safety ring for heavy dripline	16	100	0,2650
RMP175	End of line cap with safety ring for heavy dripline	20	100	0,2760
RMP802	Sleeve with safety	16	100	0,1590
RMP803	Sleeve with safety	20	100	0,1910
RMP805	Departure from PE with safety	16	100	0,1590
RMP806	Departure from PE with safety	20	100	0,2120
RMP788	Elbow with hose connection safety ring	16	100	0,6450
RMP789	Elbow with hose connection safety ring	20	100	0,7530
RMP794	Tee with hose connection safety ring	16	100	0,8060
RMP795	Tee with hose connection safety ring	20	50	0,9350

BLACK PUSH-IN FITTINGS FOR HEAVY DRIPLINE AND PE PIPE BD

Code	Description	Ø mm	Box	€/each
RMP110	Threaded connection M PG	16 X ½"	100	0,1280
RMP111	Threaded connection M PG	20 X ½"	100	0,1060
RMP804	Departure from PE with thread	¾"	100	0,2970
RMP115	Reduced sleeve	16 X 20	100	0,1060
RMP807	End of line cap with ring	16	1	0,1910
RMP808	End of line cap with ring	20	1	0,1910

BLACK SWIVEL FITTINGS FOR HEAVY DRIPLINE AND LDPE PIPE

Code	Description	Ø mm	B.	€/each
RTT200	End-of-line cap for tube and dripline with ring nut	16	25	0,9650
RTT201	End-of-line cap for tube and dripline with ring nut	20	25	0,9650
RMP180	Sleeve x PE and dripline 30 ÷ 40 mils	16	500	1,3780
RMP181	Sleeve x PE and dripline 30 ÷ 40 mils	20	350	1,5590
RMP182	Elbow x PE and dripline 30 ÷ 40 mils	16	400	1,4310
RMP183	Elbow x PE and dripline 30 ÷ 40 mils	20	300	1,7180
RMP184	Tee x PE and dripline 30 ÷ 40 mils	16	250	2,0990
RMP185	Tee x PE and dripline 30 ÷ 40 mils	20	180	2,6500
RMP186	Fitting M x PE and dripline 30 ÷ 40 mils	16 X ½"	700	0,8910
RMP187	Fitting M x PE and dripline 30 ÷ 40 mils	20 X ½"	500	1,0600
RMP188	Elbow x PE and dripline 30 ÷ 40 mils	16 x ½" M	550	1,2410
RMP189	Elbow x PE and dripline 30 ÷ 40 mils	20 x ½" M	400	1,4310
RMP190	Tee x PE and dripline 30 ÷ 40 mils	16 x ½"M x 16	300	1,8020
RMP191	Tee x PE and dripline 30 ÷ 40 mils	20 x ½"M x 20	240	2,0460
RMP192	Plug x PE and dripline 30 ÷ 40 mils	16	900	0,8060
RMP193	Plug x PE and dripline 30 ÷ 40 mils	20	600	0,9120

HEAVY DRIPLINE FITTINGS

Discount category A

BROWN HOSE FITTINGS FOR HEAVY DRIPLINE

Code	Description	Ø mm	Box	€/each
 RMP105	Sleeve	17	1	0,1910
 RG0152	Elbow	17	1	0,3630
 RTE055	Tee at 90°	17	1	0,3630
 RCR001	Cross	17	1	1,2790
 RMP123	Thread connection F with 2 outputs	17 X ¾"	1	2,2690
 RMP114	Thread connection M.	17 X ¾"	1	0,4990
 RG0154	Elbow with thread connection. M.	17 X ¾"	1	0,5620
 RMP125	M threaded bifurcation	17 X ¾"	1	1,1030
 RMP150	3-way F threaded connection	17 X ¾"	1	2,2690
 RMP124	F threaded connection with 4 outlets	17 X ¾"	1	2,2690

PLASSON - IRRIFIT FITTINGS FOR DRIPLINE AND LDPE PIPE

Code	Description	Ø mm	Box	€/each
 RBGI050	Sleeve	16 X 16	10	2,08
 RBGI051	Sleeve	20 X 20	10	2,31
 RGM1050	Male fitting	16 X ½"	10	1,39
 RGM1051	Male fitting	16 X ¾"	10	1,39
 RGM1052	Male fitting	20 X ½"	10	1,52
 RGM1053	Male fitting	20 X ¾"	10	1,52
 RGO1050	Elbow with threaded derivation F	16 X ½"	10	1,90
 RGO1051	Elbow with threaded derivation F	16 X ¾"	10	1,90
 RGO1052	Elbow with threaded derivation M	16 X ½"	10	1,77
 RGO1053	Elbow with threaded derivation M	16 X ¾"	10	1,77
 RGO1049	Elbow	16	10	2,84
 RMRI001*	Reduced sleeve	20 X 16	10	2,51
 RTFI050	Tee with threaded derivation F	16 X ½" X 16	10	2,78
 RTFI051	Tee with threaded derivation F	16 X ¾" X 16	10	2,78
 RTFI052	Tee with threaded derivation F	20 X ½" X 20	10	2,91
 RTFI053	Tee with threaded derivation F	20 X ¾" X 20	10	2,91
 RTMI081	Tee with threaded derivation M	16 X ¾" X 16	10	2,90
 RTFI001	90° Tee	16	10	3,27
 RTFI002	90° Tee	20	10	4,05
 RTFI003*	90° reduced Tee	20 X 16 X 20	10	4,54
 RTFI016	90° reduced Tee	20 X 16 X 20	10	4,54
 RTFI017*	90° reduced Tee	25 X 16 X 25	10	5,93
 RTFI018*	90° reduced Tee	32 X 16 X 32	10	7,75

*While stocks last

HEAVY DRIPLINE FITTINGS

Discount category A

ACCESSORIES FOR DRIPLINE AND PIPE

Code	Description	Ø mm	Box	€/each
RGS002	"5" support	16	1.000	0,0530
RGS001	"5" support	20	1.000	0,0636
RGS010	"5" support	25	500	0,1060
RGS011	"5" support	32	500	0,1802
RGS210	Spacer hook for screw mm 150	16	500	0,1590
RGS211	Spacer hook for screw mm 150	20	500	0,1696
RGS212	Spacer hook for screw mm 150	23-25	500	0,2332
RGS082	Removable hook for DropClip	16	500	0,0848
RGS083	Removable hook for DropClip	20	500	0,0848
RFS050	Reusable hose clip	16/17	100	0,2968
RTA066*	Dripline closing ring	16	500	0,1870
RMP143*	5/3 dripline adapter for hose	16/17	100	0,5194
RGS007	Black hose clip spike for dripline or hose	16/20	100	0,1850
RGS008	Brown hose clip spike for dripline or hose	16/20	100	0,1850
RGS020	Black hose clip spike for dripline or hose	16/20	100	0,1802
RGS021	Brown hose clip spike for dripline or hose	16/20	100	0,1802
RMP127	End line for dripline	16/17	1	0,2862
RMP128	End line for dripline	20	1	0,3710

*While stocks last

MINI VALVES FOR PEBD HOSE, DRIPLINE AND THREADED FITTINGS

Code	Ø	Description	Box	€/each
FRS085	¾" x 16	Male threaded valve for hose adaptor ¾"	1 - 50	1,01
FRS115	¾" x 20	Male threaded valve for hose adaptor ¾"	1 - 50	1,01
FRS086	½" x 16	Male threaded valve for hose adaptor with backnut	1 - 50	1,51
FRS087	¾" x 16	Male threaded valve for hose adaptor with backnut	1 - 50	1,51
FRS088	½" x 20	Male threaded valve for hose adaptor with backnut	1 - 50	1,56
FRS089	¾" x 20	Male threaded valve for hose adaptor with backnut	1 - 50	1,56
FRS008	16 x 16	Hose adaptor valve for hose adaptor	1 - 50	1,01
FRS009	20 x 20	Hose adaptor valve for hose adaptor	1 - 50	1,01
FRS080	16 x 16	Hose adaptor for hose adaptor with backnut	1 - 50	1,71
FRS081	20 x 20	Hose adaptor for hose adaptor with backnut	1 - 50	1,81
FRS017	¾" x 16	Female threaded ¾" F for hose adaptor	1 - 50	1,21
FRS018	¾" x 20	Female threaded ¾" F for hose adaptor	1 - 50	1,21
FRS015	¾" x ¾"	F/F threaded valve	1 - 50	1,41
FRS016	¾" x ¾"	M/F threaded valve	1 - 50	1,26

DRIPPERS

Discount category A

RAINBOW TURBO



APPLICATION

- Fruit farming, vineyards, olive trees, tunnels. Pots and Aero-Pot

SPECIFICS

- Maximum working pressure: 10 mH₂O
- Internal demountable plastic lamella with turbulent flow labyrinth
- Coupling: 3 mm
- Output: multifunctional
- Recommended filtration: 120 mesh

FEATURES

- Demountable for maintenance or cleaning
- Colour code for flow-rate identification

MATERIALS

- Polypropylene

Code	Colors	l/h a 1 bar	Units per pack				€/ each	
			Envelope	Box	Pallet	Cont 20'		Cont 40'
OGC030	Red	2	500	3.000	108.000	1.296.000	2.592.000	0,13
OGC031	Blue	4	500	3.000	108.000	1.296.000	2.592.000	0,13
OGC032	Verde	8	500	3.000	108.000	1.296.000	2.592.000	0,13

DRIPPERS PC

APPLICATION

- Self-compensating, high-flow-rate dripper for pending irrigation systems or where an take-apart dripper is required

SPECIFICS

- Self-compensating dripper
- Working pressure: 1 ÷ 4 bar
- Internal demountable plastic lamella with turbulent flow labyrinth
- Coupling: 3 mm
- Output: multifunctional
- Recommended filtration: 120 mesh

FEATURES

- Demountable for maintenance or cleaning

MATERIALS

- Polypropylene

Code	Colors	l/h	Units per pack				€/ each	
			Envelope	Box	Pallet	Cont 20'		Cont 40'
OGC110	Blue	4	500	3.000	108.000	1.296.000	2.592.000	0,20
OGC111	Green	8	500	3.000	108.000	1.296.000	2.592.000	0,20
OGC112	Nero	15	500	3.000	108.000	1.296.000	2.592.000	0,20

APPLICATION

- Self-compensating, high-flow-rate dripper for pending irrigation systems

SPECIFICS

- Self-compensating dripper
- Working pressure: 0,5 ÷ 4 bar
- Coupling: 3 mm
- Output: multifunctional
- Recommended filtration: 120 mesh

MATERIALS

- Polypropylene

Code	Type	Colors	l/h	Units per pack				€/ each	
				Envelope	Box	Pallet	Cont 20'		Cont 40'
OGC970	KPC	Red	2,2	250	5.000	180.000	2.160.000	4.320.000	0,22
OGC971	KPC	Grey	3,0	250	5.000	180.000	2.160.000	4.320.000	0,22
OGC972	KPC	Blue	4,0	250	5.000	180.000	2.160.000	4.320.000	0,22
OGC973	KPC	Green	8,0	250	5.000	180.000	2.160.000	4.320.000	0,22
OGC974	SE	Verde	24	250	5.000	180.000	2.160.000	4.320.000	0,22

APPLICATION

- Fruit farming, vineyards, olive trees

SPECIFICS

- Self-compensating anti-draining dripper
- Working pressure: 0,5 ÷ 4 bar
- Opening pressure: 0,45 bar
- Closing pressure: 0,2 bar
- Coupling: 3 mm
- Turbulent flow labyrinth
- Water intake large filter
- Recommended filtration: 120 mesh

FEATURES

- Code colour for flow-rate identification

MATERIALS

- Polypropylene

Code	Colors	l/h	Units per pack				€/ each	
			Envelope	Box	Pallet	Cont 20'		Cont 40'
OGC980	Red	2,2	250	5.000	180.000	2.160.000	4.320.000	0,23
OGC979	Black	3,0	250	5.000	180.000	2.160.000	4.320.000	0,23
OGC981	Blue	4,0	250	5.000	180.000	2.160.000	4.320.000	0,23
OGC982	Verde	8,0	250	5.000	180.000	2.160.000	4.320.000	0,23

KING PC



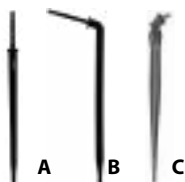
KING PC AS-ND



DROPLETS

Discount category A

DROPLETS



APPLICATION

- Non-self-compensating droplets for pots, glasshouse, nursery

SPECIFICS

- Maximum working pressure: 12 mH₂O
- Turbulent flow labyrinth and anti-clogging wide passages
- Suitable for 5/3 mm micro-hose
- Recommended filtration: 120 mesh

FEATURES

- 3 different models: A) straight coupling B) 45° connection C) 45° connection without labyrinth

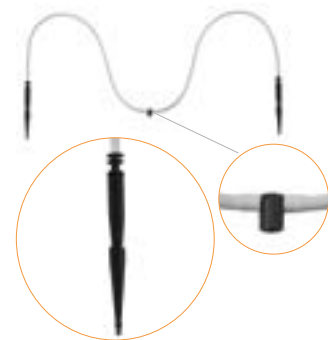
MATERIALS

- Polypropylene

Code	Mod	Description	l/h	Box	€/each
OGC074	A	Peg with straight labyrinth	1,5	100	0,065
OGC053	B	Peg with angled labyrinth	1,5	100	0,070
OGC088	C	Free point gray color		100	0,079

On request, white dipstick

PREASSEMBLED DROPLETS



APPLICATION

- Glasshouse and nursery

SPECIFICS

- Compatible with PC and PC CNL multifunctional drippers
- Distributors at one, two or four derivations
- Soft PVC/Pe micro-hose, black finishing or white covering
- Peg with built-in labyrinth for 2 and 4 derivations models
- Droplets free (grey) with single derivation

FEATURES

- Flow-rate supplied depending on the dripper and derivation's number

MATERIALS

- Dripper, peg: polypropylene
- Hose: Soft PVC/Pe

Code	Avail.	Outputs Description	Color hose	Hose length cm	Mod.	Box	€/each
OSR302	■	1	white	60	C	50	0,420
OSR326	■	1	white	80	C	50	0,630
OSR305	■	1	black	60	C	50	0,388
OSR306	■	1	black	80	C	50	0,560
OSR303	■	2	white	60	A	50	0,790
OSR312	■	2	white	80	A	50	0,903
OSR307	■	2	black	60	A	50	0,766
OSR309	■	2	black	80	A	50	0,860
OSR357	■	2	white	60	B	50	0,780
OSR358	■	2	white	80	B	50	0,917
OSR359	■	2	black	60	B	50	0,785
OSR330	■	2	black	80	B	50	0,894
OSR304	■	4	white	60	A	50	1,800
OSR313	■	4	white	80	A	50	2,120
OSR308	■	4	black	60	A	50	1,710
OSR310	■	4	black	80	A	50	1,730
OSR360	■	4	white	60	B	50	1,730
OSR361	■	4	white	80	B	50	1,787
OSR362	■	4	black	60	B	50	1,730
OSR331	■	4	black	80	B	50	1,810








Other models on request








Standard black rod, on request white rod

Legend ■ Available in stock ■ On order

DRIPPER FITTINGS

Discount category A

	Code	Description	Ø mm	Box	€/each
	OAT011	Peg for pipe open	5	500	0,131
	OAT012	Peg for pipe closed	5	500	0,245
	RMP118	Straight coupling anchor/coupling	3	1.000	0,234
	RMP131	Straight coupling anchor/thread	3	1.000	0,350
	RTA065	Caps for 3 mm holes for PE BD hose		1.000	0,117
	RTE058	Tee coupling thread/thread/thread (small)		1.000	0,287
	RTE059	Tee coupling anchor/thread/thread (small)		1.000	0,329

	Code	Description	Box	€/each
	OGV010	Mini valve A mod. anchor/anchor coupling	50	0,965
	OGV011	Mini valve B mod. thread/thread coupling	50	0,965
	OGV012	Mini valve C mod. anchor/thread coupling	50	0,965
	RMP136	90° fitting for single output micro-hose	100	0,085
	RMP135	Distributor fitting with 4 outlets	100	0,516
	RMP151	Distributor fitting with 2 outlets	100	0,466
	RMP152	Fitting for polythylene pipe with distributor	100	0,096

MICROTUBO



Code	Use	Material	Ø _{int/ext} mm	Meters	€/m
OTB004	Drippers	PVC black	5/3	200	0,573
OTB102	Drippers	PE white	5/3	200	0,573



MICRO IRRIGATION

DES MICRO SPRINKLERS

Discount category A



TORNADO RAY JET



- Fruit farming
- Static sprinkler with "vortex" function
- 12 jets radial head
- 4 flow-rates
- Code colour for flow-rate identification
- Filtration: 120 mesh
- Polypropylene

APPLICATION

SPECIFICS

- Models: 360° - 180°
- Positioning: upwards by peg or downwards

FEATURES

- Thread nozzle for pipe PE/PVC 4/6 mm (option male conic)

MATERIALS

H 25 CM FEATURES MOD.360° 15 MH2O

Flow-rate l/h	Colour	Nozzle Ø	P _{max} mH2O	Wet Ø m
25	Black	0,9	30	2
34	Blue	1,3	30	3
55	Green	1,7	30	4
70	Red	2,0	30	4

Code	Flow-rate l/h	Mod.	Box	€/each
OGC135	25	360°	500	0,67
OGC134	34	360°	500	0,67
OGC133	55	360°	500	0,67
OGC131	70	360°	500	0,67
OGC159	25	180°	500	0,67
OGC157	34	180°	500	0,67
OGC156	55	180°	500	0,67
OGC155	70	180°	500	0,67

RONDO FOGGER



- Greenhouses, nursery
- Double bridge frame for static fogger
- Medium drop dimension: 150 micron
- Upside down positioning
- Conical female coupling
- 3/8" thread (standard)
- Polypropylene

APPLICATION

SPECIFICS

- Code colour for flow-rate identification
- Filtration: 120 mesh

FEATURES

- Can be combined to anti-drop valves

MATERIALS

H 70 CM FEATURES UD - 35 MH2O

Flow-rate l/h	Colour	Nozzle Ø	P _{max} mH2O	Wet Ø m
47	Black	0,85	40	2
61	Blue	1,00	40	2

Code	Flow-rate l/h	Box	€/each
ONB001	47	2000/500	2,10
ONB002	61	2000/500	2,10

FLF - FOGGER



- Greenhouses cooling/humidification
- Low flow-rate fogger
- 5,4 l/h light blue nozzle
- Female conical coupling
- 3/8" thread (standard)
- Polypropylene

APPLICATION

SPECIFICS

- 10,5 l/h blue nozzle
- Working pressure: 3,5 ÷ 5,0 bar

FEATURES

- Can be combined to anti-drop valves

MATERIALS

TECHNICAL FEATURES

Flow-rate l/h	Colour	P _{max} mH2O	Approximate nozzle throw m
5,4	light blue	55	1,50
10,5	blue	55	1,50

Code	Model	Flow-rate l/h	Coupling	Nozzle colour	Config.	Box	€/each
ONB010	5,4	5,4 x 1	conical	light blue	single	500	4,35
ONB012	5,4	5,4 x 2	conical	light blue	double	500	4,90
ONB014	5,4	5,4 x 4	conical	light blue	Cross	500	8,65
ONB011	10,4	10,5 x 1	conical	blue	single	500	4,35
ONB013	10,4	10,5 x 2	conical	blue	double	500	4,90
ONB015	10,4	10,5 x 4	conical	blue	Cross	500	8,65

Example Assemblies



ANTI-DROP VALVES*



Code	Description	€
OSA110	Low pressure (0,6 bar closed - 2,0 bar open) bi-directional flow thread/female conical x male conical	1,75
OSA117	Low pressure (0,6 bar closed - 2,0 bar open) bi-directional flow 4/7 x male conical	1,75
OSA118	High pressure (1,4 bar closed - 3,5 bar open) unidirectional flow thread/female conical x male conical	1,75
OSA120	High pressure (1,4 bar closed - 3,5 bar open) unidirectional flow 4/7 x male conical	1,75

*See page 51 for other accessories

DES MICRO SPRINKLERS

Discount category A



RONDO



APPLICATION

- Fruit farming, greenhouses, tunnels, horticulture

SPECIFICS

- Dynamic sprinkler
- 4 pins, 3 static heads
- 11 flow-rates
- Pin with deflector option

- Upwards positioning by peg or upside down hanged
- Code colour to identify flow-rate and pin

FEATURES

- Filtration: 120 mesh
- Female conical coupling

- 3/8" thread (standard)
- 5 mm micro-threaded coupling

MATERIALS

- Polypropylene

Green UD pin	Blue UD pin*	Black pin	Purple pin*	Deflector black pin	Micro-thread coupling nozzle*	Conical F coupling nozzle*	3/8" coupling nozzle thread	Insect protection plug

*Available on request

Model	Pins				Static			
	Black	Purple	Green	Blue	2 x 30°	90°	180°	
nozzle	wet radius m - 20 mH2O							
light blue	30	7	4,4	7,4	5,2	-	-	-
black	39	6	4,6	8,6	6,8	2,10	2,50	2,30
blue	51	7	5,0	8,6	7,4	2,20	2,80	2,60
dark blue	64	8	5,4	8,6	7,4	2,30	3,50	2,70
green	75	9	5,2	9,8	8,0	2,40	3,60	2,80
red	102	9	5,6	10,7	8,6	2,50	4,00	3,00
white	132	10	7,2	10,8	8,6	2,60	4,20	3,00
purple	174	11	7,6	11,2	9,2	2,80	5,00	3,00
yellow	205	11	8,0	11,4	9,6	3,00	5,60	3,10
brown	254	11	8,6	11,2	9,6	3,30	6,10	3,30
orange	298	11	9,0	10,6	9,6	3,60	6,10	3,50

Black - Purple: upwards - 25 cm from ground
 Green - Blue: downwards - 200 cm from ground
 Static Rondo: availability and prices on request

Code	Model	Coupling	Pin	Nozzle	Flow-rate l/h	€
OSR161	Rondo	3/8"	black	dark blue	64	1,08
OSR162	Rondo	3/8"	black	red	102	1,22
OSR163	Rondo	3/8"	black	white	132	1,08
OSR164	Rondo	3/8"	black	purple	174	1,22
OSR165	Rondo	3/8"	black	yellow	205	1,22
OSR167	Rondo	3/8"	black	brown	254	1,08
OSR166	Rondo	3/8"	black	orange	298	1,08
OSR757	Rondo UD	3/8"	green	black	39	1,22
OSR758	Rondo UD	3/8"	green	dark blue	64	1,22
OSR759	Rondo UD	3/8"	green	green	75	1,22
OSR760	Rondo UD	3/8"	green	red	102	1,22
OSR761	Rondo UD	3/8"	green	white	132	1,22
OSR762	Rondo UD	3/8"	green	purple	174	1,22
OSR763	Rondo UD	3/8"	green	yellow	205	1,22
OSR764	Rondo UD	3/8"	green	brown	254	1,22
OSR765	Rondo UD	3/8"	green	orange	298	1,22
OSR177*	Rondo antinsetto	3/8"	black	blue	51	2,03

*While stocks last

SELF-COMPENSATING RONDO RFR



- Fruit farming, greenhouses, tunnels, horticulture
- Self-compensating dynamic sprinkler
- Self-compensation range: 1,5 ÷ 3,5 bar
- 2 pins
- 6 flow-rates
- Filtration: 120 mesh
- Polypropylene

APPLICATION

SPECIFICS

- Pin with deflector option
- Upwards positioning by peg or upside down hanged
- Code colour to identify flow-rate and pin

FEATURES

- 3/8" thread (standard)

MATERIALS



WET Ø M

Model	Nozzle	I/h	Grey pin head up from the ground 25 cm	Red pin upside down	
				from the ground 100 cm	from the ground 200 cm
blue	30	30	5,5	5,5	6,5
dark blue	41	41	5,7	6,0	7,0
green	53	53	6,4	7,0	7,5
red	70	70	8,0	6,5	7,0
white	95	95	8,4	7,5	8,0

Code	Model	Coupling	Pin	Flow-rate I/h	€
OSR189	Rondo RFR	3/8"	grey	23	2,00
OSR190	Rondo RFR	3/8"	grey	30	2,00
OSR191	Rondo RFR	3/8"	grey	41	2,00
OSR192	Rondo RFR	3/8"	grey	53	2,00
OSR193	Rondo RFR	3/8"	grey	70	2,00
OSR194	Rondo RFR	3/8"	grey	95	2,00
OSR280	Rondo RFR UD	3/8"	red	23	2,00
OSR281	Rondo RFR UD	3/8"	red	30	2,00
OSR282	Rondo RFR UD	3/8"	red	41	2,00
OSR283	Rondo RFR UD	3/8"	red	53	2,00
OSR284	Rondo RFR UD	3/8"	red	70	2,00
OSR285	Rondo RFR UD	3/8"	red	95	2,00
OSR195	Rondo RFR antinsetto	3/8"	grey	23	3,30
OSR196	Rondo RFR antinsetto	3/8"	grey	30	3,30
OSR197	Rondo RFR antinsetto	3/8"	grey	41	3,30
OSR198	Rondo RFR antinsetto	3/8"	grey	53	3,30

SUPER XL



- Fruit farming, nursery, horticulture
- Slow rotation dynamic sprinkler
- 4 flow-rates available
- Upwards positioning by peg
- Flow-rate identification by code colour
- Polypropylene

APPLICATION

SPECIFICS

- Working pressure: 2,5 ÷ 3,5 bar

FEATURES

- Filtration: 40 mesh
- 3/8", 1/2" threaded coupling

MATERIALS

TECHNICAL FEATURES H 75 CM

Flow-rate I/h	Colour	P _{max}	mH2O	
			25	30
191	purple	30	n.a.	16,50
235	yellow	30	15,50	16,50
290	brown	30	17,00	16,00
341	orange	30	17,00	16,50

PRESSURE/FLOW RATE RATIO

Flow-rate I/h	Colour nozzle	mH2O	
		25	30
191	purple	191	209
235	yellow	235	258
290	brown	290	315
341	orange	341	373

Code		Flow-rate I/h	Colour		Box	€ each
Coupling 3/8"	Coupling 1/2"		Nozzle	Pin		
OSR010	OSR014	191	purple	blue	250	8,00
OSR011	OSR015	235	yellow	blue	250	8,00
OSR012	OSR016	290	brown	green	250	8,00
OSR013	OSR017	341	orange	green	250	8,00

MINI SPRINKLERS

Discount category A

SC10 SERIES



APPLICATION

- Low volume irrigation, in open field by low precipitation

SPECIFICS

- Semi-fixed stand irrigation
- Available with flow-rate regulator to keep a constant flow also by level differences and very long rows

FEATURES

- 25° angle
- Working pressure for the self-compensating model: 3,5 ÷ 5,0 bar to the sprinkler
- Coupling: ½" male
- Brown nozzle available as a side sprinkler (180° with street protection OMKR057) combined with the red nozzle sprinkler for the full circle

TECHNICAL FEATURES

Nozz. col.	l/h	wet 2,5 bar Ø	Sprinkler position m			
			8 x 8	9 x 9	9 x 10	10 x 10
			Rainfall mm/h			
Blue	420	17	6,6	5,2	4,7	4,2
Yellow	500	20	7,8	6,2	5,6	5,0
Green	580	20	9,1	7,2	6,4	5,8
Red	750	21	11,7	9,3	8,3	7,5

L/h	Nozzle	Code	Model	€
420	Blue	OSR600	SC10 standard	11,17
500	Yellow	OSR601	SC10 standard	11,17
580	Green	OSR602	SC10 standard	11,17
750	Red	OSR603	SC10 standard	11,17
350	Brown	OSR604	SC10 standard	11,17

L/h	Nozzle	Code	Model	€
420	Blue	OSR605	SC10 self-comp.	11,81
500	Yellow	OSR606	SC10 self-comp.	11,81
580	Green	OSR607	SC10 self-comp.	11,81
750	Red	OSR608	SC10 self-comp.	11,81
350	Brown	OSR609	SC10 brown	11,81

Discount category D

PULSATOR



APPLICATION

- For irrigation and pulsed de-icing on orchards, vines, horticulture

SPECIFICS

- Pressure range: 20 mH2O

FEATURES

- Filtration: 120 mesh

Code	Description	€
OSR098	Pulsator 205 frost protection with 150 l/h sprinkler + 3.2 m hose + 28 l/h dripper	24,38

Note.: configuration may vary without notice depending on technical information -For further configurations please contact Technical Service

For correct dimensioning of the frost protection system, please send the Scarabelli technical service the technical plant data:

- Sixth planting
- Crop
- Minimum required temperature protection
- Water availability
- GPS geographical location

XCEL WOBBLER



APPLICATION

- Fruit farming, nursery, horticulture, frost protection

SPECIFICS

- Automatic oscillating sprinkler
- No parts in movement
- 9 flow-rate available (200 ÷ 1.200 l/h)
- Area of work: 0,7 ÷ 1,7 bar

FEATURES

- Upright installation on top of pipe
- Swash-plate
- Flow-rate indicated with colour
- Filtration: 80 mesh
- Threated plug
- Version with high and low trajectories

MATERIALS

- Polypropylene

Code for grey low	Code for high black	Flow-rate l/h	Coupling	Nozzle		Box	€/each
AIS216	AIS206	216	¾"M	06	gold	1	16,64
AIS217	AIS207	295	¾"M	07	lime	1	16,64
AIS218	AIS208	388	¾"M	08	lavender	1	16,64
AIS219	AIS209	500	¾"M	09	grey	1	16,64
AIS220	AIS210	618	¾"M	10	turquoise	1	16,64
AIS221	AIS211	749	¾"M	11	yellow	1	16,64
AIS222	AIS212	899	¾"M	12	red	1	16,64
AIS223	AIS213	1.056	¾"M	13	white	1	16,64
AIS224	AIS214	1.224	¾"M	14	blue	1	16,64

WET DIAMETERS AND DELIVERED FLOWS

Bar	L/h	Ø m mid	Ø m high	L/h	Ø m mid	Ø m high	L/h	Ø m mid	Ø m high	L/h	Ø m mid	Ø m high	L/h	Ø m mid	Ø m high
	06 - Gold (2,38 mm)			07 - Lime (2,78 mm)			08 - Lavender (3,18 mm)			09 - Grey (3,57 mm)			10 - Turquoise (3,97 mm)		
0,7	177	9,8	11,1	241	10,1	12,2	318	10,4	12,8	409	10,5	13,4	504	11	13,6
1,0	216	10,7	12,5	295	11,1	14,2	388	11,7	14,2	500	12,4	14,3	618	12,5	14,9
1,4	250	11,7	13,7	341	12,4	14,3	450	12,5	14,3	577	12,8	15,4	713	13	15,4
1,7	279	12,5	14	382	12,5	15,4	502	13	15,7	645	13,1	16	797	13,4	16,3
	11 - Yellow (4,37 mm)			12 - Red (4,76 mm)			13 - White (5,16 mm)			14 - Blue (5,56 mm)					
0,7	611	11	13,6	734	11,1	14	863	11,1	14,2	999	11,3	14,3			
1,0	749	12,7	15,4	899	12,7	15,4	1056	12,7	15,6	1224	13	15,6			
1,4	865	13,1	15,7	1038	13,6	15,9	1222	13,6	16	1415	13,7	16,2			
1,7	968	13,4	16,5	1161	13,6	16,6	1365	13,7	16,9	1583	14,2	16,9			

SPRINKLERS IMPACT

Discount category A

SI 22



- ½" male coupling
- Angle: 24°
- Throw: 10 ÷ 12,5 m

SPECIFICS

- Recommended filtration: 60 mesh
- Working pressure 2,5 ÷ 4,0 bar

FEATURES

- Full circle mini sprinklers with 2 nozzles
- Plastic material and galvanized steel
- Bayonet coupling coloured nozzle

Colour	L/h	Nozzle Ø mm	Wet Ø m 3 bar
purple	630	2,5 x 1,8	20,0
red	762	3 x 1,8	21,0
blue*	1.158	3,5 x 2,5	23,6
black	1.260	4 x 2,5	23,0

Code	Description	Nozzles number	€
OSR960	SI 22 full circle sprinkler	2	6,06

SR 11



- Throw: 10,5 ÷ 12,0 m
- Flow-rate (3 bar): 990 l/h standard - 630 l/h on request

SPECIFICS

- ½" male coupling
- 25° adjustable angle
- Working pressure: 1 ÷ 3 bar

FEATURES

- Sector sprinklers, 25° adjustable angle, 1 nozzle
- Plastic material
- 2 different coloured nozzles (for an easy identification)

Colour	L/h	Nozzle Ø mm	Wet Ø m 3 bar
yellow	630	3,2	22,0
light blue	990	4,2	24,0

Code	Description	Nozzles number	€
AIR504	SR 11 sector sprinkler	1	10,50

SI 228



- ½" male coupling
- Angle: 25°
- Throw: 10,5 ÷ 13 m

SPECIFICS

- Recommended filtration: 60 mesh
- Working pressure 2,0 ÷ 4,0 bar

FEATURES

- Sector mini sprinklers with 1 nozzle
- Plastic material and galvanized steel
- Bayonet coupling coloured nozzle

Colour	L/h	Nozzle Ø mm	Wet Ø m 3 bar
light blue	444	2,5	21,6
red	558	2,9	23,0
green*	690	3,2	23,0
blue	858	3,5	24,0

Code	Description	€
OSR953	SI 228 sector sprinkler	13,36

R 19



- ¾" male coupling
- Angle: 24°
- Throw: 10 ÷ 14 m

SPECIFICS

- Recommended filtration: 60 mesh
- Working pressure 1,0 ÷ 3,0 bar

FEATURES

- Sector mini sprinklers
- Plastic material and galvanized steel
- Bayonet coupling coloured nozzle

Colour	L/h	Nozzle Ø mm	Wet Ø m 3 bar
red	1.450	4,76	28

Code	Description	€
AIR501	R 19 sector sprinkler	13,50

SI 46F



- ¾" male coupling
- Angle: 23°
- Throw: 10,5 ÷ 15 m

SPECIFICS

- Recommended filtration: 60 mesh
- Working pressure 1,0 ÷ 4,0 bar

FEATURES

- Full circle mini sprinklers with 2 nozzles
- Plastic material and galvanized steel
- Bayonet coupling coloured nozzle

L/h	Nozzle Ø mm	Wet Ø m 3 bar
810	3,6	25,0
1.200	3,57 x 2,38	25,0
1.416	3,96 x 2,38	26,0
1.602	4,36 x 2,38	27,5
2.208	4,76 x 3,17	28,5
2.382	5,15 x 3,17	29,5
2.598	5,55 x 3,17	30,0

Code	Description	€
AIR097	SI 46F full circle sprinkler	8,54

*Nozzle standard

AIR110



- ½" male coupling
- Angle: 7°
- Throw: > 10 m

- Full circle mini sprinkler, 1 nozzle
- Brass/bronze and stainless steel
- Standard nozzle: 3,57 mm (11,8 l/m - 2 bar)

SPECIFICS

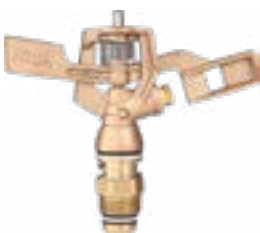
- Recommended filtration: 40 mesh
- Working pressure: 2 ÷ 4,5 bar

FEATURES

- Recommended positioning: from 8x8 m to 10x10 m

Code	Description	€
AIR110	½" circular bronze sprinkler, low angle SI-5-7F	19,60

AIR111



- Coupling: ½" male
- Angle: 15°
- Throw: > 12 m

- Full circle mini sprinkler, 1 nozzle
- Brass/bronze and stainless steel
- Standard nozzle: 2,77 mm (9,9 l/m - 3,5 bar)

SPECIFICS

- Recommended filtration: 40 mesh
- Working pressure: 2 ÷ 4,5 bar

FEATURES

- Recommended positionings: from 8 x 8 m to 12 x 12 m

Code	Description	€
AIR111	½" circular bronze sprinkler, low angle SI-5-15F	19,60

AIR112



- Coupling: ½" male
- Angle: 25°
- Throw: > 12 m

- Full circle mini sprinkler, 1 nozzle
- Brass/bronze and stainless steel
- Standard nozzle: 3,57 mm (15,55 l/m - 3,5 bar)

SPECIFICS

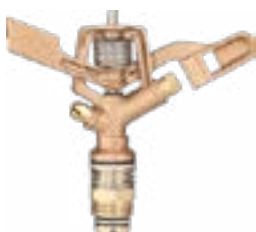
- Recommended filtration: 40 mesh
- Working pressure: 2 ÷ 4,5 bar

FEATURES

- Recommended positionings: from 8 x 8 m to 12 x 12 m

Code	Description	€
AIR112	½" circular bronze sprinkler, low angle SI-5-25F	19,60

AIR114



- Coupling: ½" male
- Angle: 27°
- Throw: > 15 m

- Full circle mini sprinkler, 2 nozzles
- Special anti frost protection
- Brass/bronze and stainless steel
- Standard nozzle: 3,96 x 2,38 mm (26,5 l/m - 4,0 bar)

SPECIFICS

- Recommended filtration: 40 mesh
- Working pressure: 2 ÷ 4,0 bar

FEATURES

- Recommended positionings: from 10 x 10 m to 15 x 15 m

Code	Description	€
AIR114	¾" circular bronze sprinkler - SI-20F	27,83

AIR115



- Coupling: ½" male
- Angle: 33°
- Throw: > 18 m

- Full circle mini sprinkler, 2 nozzles
- Brass/bronze and stainless steel
- Standard nozzle: 5,5 x 3,17 mm (48,8 l/m - 3,5 bar)

SPECIFICS

- Recommended filtration: 40 mesh
- Working pressure: 2 ÷ 4,0 bar

FEATURES

- Recommended positionings: from 12 x 12 m to 18 x 18 m

Code	Description	€
AIR115	¾" circular bronze sprinkler 33° - SI-25F	50,00

SPRINKLERS IMPACT

Discount category A

AIR116



- Coupling: 1" male
- Angle: 27°
- Throw: > 21 m

- Full circle mini sprinkler, 2 nozzle
- Brass/bronze and stainless steel
- Standard nozzle: 7,94 x 5,55 mm (107,7 l/m - 4,0 bar)

SPECIFICS

- Recommended filtration: 40 mesh
- Working pressure: 2,5 ÷ 5,0 bar

FEATURES

- Recommended positionings: from 15 x 15 m to 21 x 21 m

Code	Description	€
AIR116	1" circular bronze sprinkler 27° - SI-30M	75,13

AIR100



- Coupling: ½" male
- Angle: 25°
- Throw: > 8 m

- Sector mini sprinkler, 1 nozzle
- Brass/bronze and stainless steel
- Standard nozzle: 3,17 mm (110,6 l/m - 3,0 bar)

SPECIFICS

- Recommended filtration: 40 mesh
- Working pressure: 2,0 ÷ 3,5 bar

FEATURES

- Recommended positionings: from 6 x 6 m to 8 x 8 m

Code	Description	€
AIR100	Sector bronze ½" sprinkler SI-5-AG	31,54

AIR095



- Coupling: ¾" male
- Angle: 25°
- Throw: > 15 m

- Sector mini sprinkler, 2 nozzles
- Brass/bronze and stainless steel
- Standard nozzle: 4,36 x 2,38 mm (25,8 l/m - 3,0 bar)

SPECIFICS

- Recommended filtration: 40 mesh
- Working pressure: 2,0 ÷ 4,0 bar

FEATURES

- Recommended positionings: from 12 x 12 m to 15 x 15 m

Code	Description	€
AIR095	Sector bronze ¾" sprinkler 25° SI-20P	47,86

AIR098



- Coupling: 1" male
- Angle: 23°
- Throw: > 21 m

- Sector mini sprinkler, 2 nozzles
- Brass/bronze and stainless steel
- Standard nozzle: 7,14 x 3,17 mm (74,2 l/m - 4,0 bar)

SPECIFICS

- Recommended filtration: 40 mesh
- Working pressure: 2,5 ÷ 5,0 bar

FEATURES

- Recommended positionings: from 15 x 15 m to 21 x 21 m

Code	Description	€
AIR098	Sector bronze 1" sprinkler SI-30P	106,25

AIR099



- Coupling: 1"¼ male
- Angle: 23°
- Throw: > 30 m

- Sector mini sprinkler, 2 nozzles
- Brass/bronze and stainless steel
- Standard nozzle: 10,32 x 5,55 mm (192,6 l/m - 5,0 bar)

SPECIFICS

- Recommended filtration: 40 mesh
- Working pressure: 3,5 ÷ 6,0 bar

FEATURES

- Recommended positionings: from 21 x 21 m to 30 x 30 m

Code	Description	€
AIR099	Sector bronze 1"¼ sprinkler SI-40P	264,02

FUNNY



Sector



Circular

- Coupling: 1" male
- Angle: 28°
- Models: sector and full circle
- Sector sprinkler, 1 nozzle
- Brass/bronze and stainless steel
- Nozzle: 5/9 mm (6 mm 3,0 bar: 39 l/m)

SPECIFICS

- Throw: 12,5 ÷ 19,5 m
- Recommended filtration: 40 mesh
- Working pressure: 1,5 ÷ 4,0 bar

FEATURES

- Recommended positionings: from 17 x 17 m to 27 x 27 m

Code	Description	€
AIR032	1" female, Funny sector sprinkler	68,50
AIR033	1" female, Funny circular sprinkler	51,40

K1



Sector



Circular

- Coupling: 1"¼ female
- Angle: 30°
- Throw: 16 ÷ 23 m
- Sector sprinkler, 1 nozzle
- Brass/bronze and stainless steel
- Nozzle: 8/12 mm (9 mm 3,0 bar: 87 l/m)

SPECIFICS

- Models: sector and full circle
- Recommended filtration: 40 mesh
- Working pressure: 1,5 ÷ 4,0 bar

FEATURES

- Recommended positionings: from 22 x 22 m to 33 x 33 m

Code	Description	€
AIR028	1"¼ female sector K1 sprinkler	115,50
AIR029	1"¼ female circular K1 sprinkler	85,60

IRRIFAST SPRAYING SYSTEM, PN6 QUICK COUPLING

Discount category A



TUBO



Code	Description	Ø mm	€
RRT099	6 m PN6 pipe with quick coupling	63	25,30

FITTINGS



Code	Description	Ø mm	€
RRT075	Hydrant	63	6,50



RRT123	PVC white riser pipe H. cm 33	1"	1,50
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RRT126	PVC white riser pipe H. cm 110	1"	4,40
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RRT031	Tee	63 x 63	9,80
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RRT067	Elbow	63	8,90
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RRT175	Male head latch	63	3,80
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RRT085	Female head latch	63	1,10
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RRT131	Female cap	63	1,40
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RRT115	Male cap	63	4,10
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RRT136	Pump connector 2" M	63 M	12,94
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RRT107	Pump connector 2" M	63 F	11,70
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RRT127	Adapter F/F	1" x ¾"	0,70
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MICRO HOSE



Code	Use	Material	Ø _{int/ext} mm	Box m	€/m
OTB080	Sprinkling system	Black PVC	4/7	200	0,6804
OTB085	Sprinkling system	White PVC	4/7	200	0,6020
OTB100	130 l/h max sprinkling	Black PE	4/7	200	0,3980
OTB086	130 l/h max sprinkling	White PE	4/7	200	0,3980

MICRO-SPRINKLERS FITTINGS







Code	Description	Box	€/each
RMP880	Fitting 4/7 x 4/7	100	0,0880
RMP881	Fitting 4/7 x male	100	0,0880
RMP891	Fitting Conical M x male	100	0,5477
RMP882	Fitting Ø 4/7 x female	100	0,2899
RMP883	Fitting Ø 3/8 x female	100	0,4230

ACCESSORIES FOR MICRO AND MINI SPRINKLERS







Code	Description	€
RMP950	Ø 9/13 - 7/10 coupling x PE hose starter	0,2530
RTA067	Cap 9/13 x starter 10 mm Superstart-PSS12	0,3190
OSR251	FNF - quick coupling	0,6930
RSTD022	Self-compensating stand 540 l/h max - Pe hose Ø 12 mm x 120 cm	4,2700
RSTD025	Normal stand - PE pipe 12 mm x 120 cm	3,2200
OAT250	Iron stake (8 mm Ø x 120 cm)	4,2840

MICRO HOSE SPRINKLERS KIT

	Code	Description	Box	€/each
	OSA108	Assembled stands for Rondo/FRF 60 cm PE 4/7 hose + OUT conical M fitting	1	0,60
	OSA109*	Assembled stands for Rondo/FRF 60 cm PE 4/7 + IN 4/7 + OUT conical M fitting		1,32
	OSA112	Assembled stands for Rondo/FRF 60 cm PE 4/7 pipe + IN 4/7 connection	1	0,71
	OSA114	Assembled stands for Rondo/FRF double FLF and cross 35 cm PVC 4/7 pipe + fittings IN 4/7 x OUT conical M + stabilizer	1	1,86
	OSA119	Stand (4/7 35 cm hose) with fittings + stabilizer for single FLF	500	2,13

*While stocks last

STAND FOR SPRINKLERS

	Code	Description	Features - Application	Input	Output	Box	€/each
	OSA105	Cantal peg - 35 cm	Meteor #44 support	-	-	550	0,49
	OSA104	Hammer peg	Rondo, RFR, Jet+, JFR, S2000	4 x 7 mm	3/8"	500	0,82
	OSA100	Meteor 44 support	Rondo, RFR, Jet+, JFR, S2000, Super XL	4 x 7 mm	3/8"	500	0,20
	OSA115*	Meteor 75 support	Rondo, RFR, Jet+, JFR	1/8"	3/8"	1	0,46
	OSA102	Meteor 47 support	Rondo, RFR, Jet+, JFR	5 x 8 mm	3/8"	500	0,46
	OSA116	Meteor 17 support - PC 2,5 bar	Rondo, S2000, Super XL	9 x 13 mm	3/8"	500	3,82
	OSA103	Stabilizer	For micropipe 4/7	-	-	400	0,98

*While stocks last

NOTE



FILTRATION

MANUAL PLASTIC FILTERS

Discount category A

SCREEN FILTER



Code	Coupling Ø	Screen material	Q _{max} m ³ /h	€
AFL120	½"	polyamide	5	11,60
AFL121	¾"	polyamide	5	11,60
AFL122	1"	polyamide	6	11,60
AFL123	1"¼	polyamide	9	22,10
AFL124	1"½	polyamide	10	32,20
AFL125	2"	stainless steel	23	100,30
AFL126	3"	stainless steel	46	184,60

APPLICATION

- Security or primary filter for medium/small irrigation systems

SPECIFICS

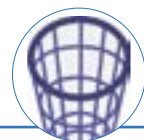
- Filtering element: 120 mesh standard
- Maximum working pressure: 8 bar
- Polyamide filtering screen (2" and 3" stainless steel screen)
- Polypropylene filtering screen support
- Screw closing cap (3" with steel strip)
- Code colour to identify filtering level

FEATURES

- 2" and 3" models set for pressure gauge (¼")
- Filter cap set for discharge valve

MATERIALS

- Polypropylene body
- Polyamide/stainless steel screen
- Polypropylene net support
- NBR seals



REINFORCED BODY SCREEN



Code	Coupling Ø	Body	Q _{max} m ³ /h	€
AFL127	2"	Corto	40	251,80
AFL128	2"	Lungo	48	321,10
AFL129	3"	Lungo	60	321,10

APPLICATION

- Security or primary filter for medium/small irrigation systems

SPECIFICS

- Filtering element: 120 mesh standard
- Maximum working pressure: 8 bar
- Coupling: male threaded
- Polyamide filtering screen
- Polypropylene filtering screen support
- Screw closing cap (3" with stainless steel strip)
- Code colour to identify filtering level

FEATURES

- Predisposition for pressure gauges (¼")
- Filter cap set for discharge valve

MATERIALS

- Fiberglass nylon body
- Polyamide screen
- Polyethylene screen support
- EPDM seals



SEMI-AUTOMATIC REINFORCED BODY SCREEN



Code	Coupling Ø	Body	Q _{max} m ³ /h	€
AFL130	2"	Corto	40	401,30
AFL131	3"	Lungo	60	541,80



APPLICATION

- Security or primary filter for medium irrigation systems
- Semi-automatic manual cleaning by crank

SPECIFICS

- Filtering element: 120 mesh standard
- Maximum working pressure: 8 bar
- Coupling: male threaded (victaulic on request)
- Polyamide filtering screen
- Polypropylene support screen
- Screw closing cap (3" with stainless steel band)
- Code colour to identify filtering level

FEATURES

- Predisposition for pressure gauges (1/4")
- Filter cap set for discharge valve

MATERIALS

- Polypropylene body
- Polyamide screen
- Polyethylene screen support
- EPDM seals

SWIVEL DISK FILTER TS



Code	Coupling Ø	Q _{max} m ³ /h	€
AFL549	3/4"	3	31,10
AFL550	1"	5	31,10
AFL551	1 1/2"	12	126,40
AFL552	2"	20	144,80



APPLICATION

- Security filter for residential irrigation systems or agriculture
- Filter with female swivel for quick application

SPECIFICS

- Filtering element: 120 mesh standard
- Maximum working pressure: 10 bar
- Coupling: rotating female
- swivel
- Filtering element: disks
- Closing cap: screw
- Code colour to identify filtration level

FEATURES

- Predisposition for pressure gauges
- Filter cap set for discharge valve

MATERIALS

- Body, cap and disks support: polypropylene
- Polyethylene disks
- Spring: stainless steel
- Seals: EPDM

DISKS



Code	Coupling Ø	Q _{max} m ³ /h	€
AFL145	3/4"	5	31,40
AFL146	1"	6	31,40
AFL147	1 1/4"	10	58,90
AFL148	1 1/2"	14	58,90



APPLICATION

- Security filter for residential irrigation systems or agriculture

SPECIFICS

- Maximum working pressure: 10 bar
- Coupling: male thread
- Filtering element: 120 mesh
- disks
- Closing cap: screw
- Code colour to identify filtration level

FEATURES

- Predisposition for pressure gauges
- Filter cap set for discharge valve

MATERIALS

- Body, cap and disks support: polypropylene
- Polyethylene disks
- Spring: stainless steel
- Seals: EPDM

MANUAL PLASTIC FILTERS

Discount category A

DISK SERIES SD



Code	Body	Cou. Ø	Ø sc,	Q _{max} m ³ /h	€
AFL420	Short single	2"		20	167,60
AFL424	Short single	2"	1 1/2"	20	186,00
AFL421S	Long single	2"L	1 1/2"	35	247,90
AFL421	Long single	3"	2"	45	251,30



APPLICATION

- Security filter for agriculture

SPECIFICS

- Maximum working pressure: 8 bar
- Coupling: male thread
- Filtering element: 120 mesh standard
- Closing cap: stainless steel band
- Code colour to identify filtration level

FEATURES

- Predisposition for pressure gauges
- Filter cap set for discharge valve

MATERIALS

- Body, cap and disks support: ABS disks
ABS - 3" fiberglass reinforced nylon
- Seals: EPDM

DISKS SERIES MV



Code	Coupling Ø	Q _{max} m ³ /h	€
AFL053	2"	30	251,00
AFL055	3"	45	263,70



APPLICATION

- Security filter for agriculture

SPECIFICS

- Maximum working pressure: 6 bar
- Coupling: male thread
- Filtering element: 120 mesh disks
- Closing cap: stainless steel band
- Code colour to identify filtration level

FEATURES

- Predisposition for pressure gauges
- Filter cap set for discharge valve

MATERIALS

- Body, cap and disks support: fiberglass polyamide
- Polypropylene disks
- Seals: EPDM

DOUBLE DISK SERIES MV



Code	Coupling Ø	Q _{max} m ³ /h	€
AFL058	3"	60	391,00
AFL059	4"	80	425,50
AFL1431	6" Vic	160	1.309,40



APPLICATION

- Security filter for agriculture

SPECIFICS

- Maximum working pressure: 8 bar
- Coupling: male thread/victaulic
- Filtering element: 120 mesh
- Closing cap: stainless steel band
- Code colour to identify filtration level

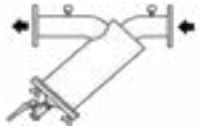
FEATURES

- Predisposition for pressure gauges
- Filter cap set for discharge valve

MATERIALS

- Body, cap and disks support: fiberglass polyamide
- Polypropylene disks
- Seals: EPDM

SCREEN FILTERS GIUNTI FILTROLINE 510 SERIES



Code	Mod.	Cou. Ø	Q _{max} m ³ /h	Filt. area cm ²	€
AFL5103	ACX26005	DN80	36	1.757	650,00
AFL5104	ACX26008	DN100	72	2.203	675,00
AFL5105	ACX26011	DN125	108	2.939	787,00
AFL5106	ACX26014	DN150	180	4.861	975,00

APPLICATION

- Safety filter for agricultural plants

SPECIFICS

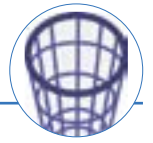
- Maximum pressure: 10 bar
- Connections: flanged
- Filter element: nylon sock
- Support: stainless steel
- Filter element: 150 mesh standard
- Closure: screw

FEATURES

- Filter cover with drain valve
- Horizontal in-line installation

MATERIALS

- Body: galvanised steel
- Lid: light alloy



SCREEN FILTERS GIUNTI FILTROFLY 520



Code	Mod.	Cou. Ø	Q _{max} m ³ /h	Filt. area cm ²	€
AFL5202	ACX26017	2"	18	869	371,25
AFL5203	ACX26020	3"	36	1.757	401,25
AFL5204	ACX26023	4"	72	2.203	463,75
AFL5205	ACX26026	5"	108	2.939	570,00

APPLICATION

- Safety filter for agricultural plants

SPECIFICS

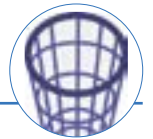
- Maximum pressure: 6 bar
- Connections: threaded
- Filter element: nylon sock
- Support: stainless steel
- Filter element: 150 mesh standard
- Closure: screw

FEATURES

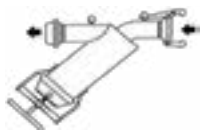
- Filter cover with drain valve
- Horizontal in-line installation

MATERIALS

- Body: galvanised steel
- Lid: light alloy



SCREEN FILTERS GIUNTI FILTROFLY 521



Code	Mod.	Ø att. sfer.	Q _{max} m ³ /h	Filt. area cm ²	€
AFL5212	ACX26019	60	18	869	362,50
AFL5213	ACX26022	80	36	1.757	387,50
AFL5214	ACX26025	100	72	2.203	457,50
AFL5215	ACX26028	120	108	2.939	555,00

APPLICATION

- Safety filter for agricultural plants

SPECIFICS

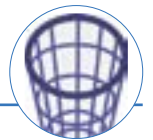
- Maximum pressure: 6bar
- Connections: spherical ferrari
- Filter element: nylon sock
- Support: stainless steel
- Filter element: 150 mesh standard
- Closure: screw

FEATURES

- Filter cover with drain valve
- Horizontal in-line installation

MATERIALS

- Body: galvanised steel
- Lid: light alloy



SCREEN FILTERS GIUNTI FILTROSFER 530



Code	Mod.	Cou. Ø	Q _{max} m ³ /h	Filt. area cm ²	€
AFL5302	ACX26091	2"	18	869	317,50
AFL5303	ACX26094	3"	36	1.757	326,25
AFL5304	ACX26097	4"	72	2.203	371,25

APPLICATION

- Safety filter for agricultural plants

SPECIFICS

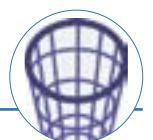
- Maximum pressure: 6bar
- Connections: threaded
- Filter element: nylon sock
- Media: stainless steel
- Filter element: 150 mesh standard
- Closure: spherical lever

FEATURES

- Filter cover with drain valve
- Horizontal in-line installation

MATERIALS

- Body: galvanised steel
- Lid: galvanised steel

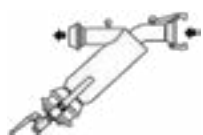


MANUAL METAL FILTERS

Discount category D



SCREEN FILTERS GIUNTI FILTROSFER 531



Code	Mod.	Cou. Ø	Q _{max} m ³ /h	Filt. area cm ²	€
AFL5312	ACX26521	60	18	869	317,50
AFL5313	ACX26523	80	36	1.236	326,25
AFL314	ACX26525	100	72	1.841	371,25

APPLICATION

- Safety filter for agricultural plants

SPECIFICS

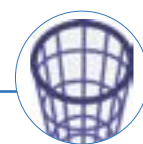
- Maximum pressure: 6bar
- Connections: spherical ferrari
- Filter element: nylon sock
- Support: stainless steel
- Filter element: 150 mesh standard
- Closure: spherical lever

FEATURES

- Filter cover with drain valve
- Horizontal in-line installation

MATERIALS

- Body: galvanised steel
- Lid: galvanised steel



Discount category A

"Y" SCREEN STF



Code	Coupling Ø		Q _{max} m ³ /h	€
AFL600	2"	Threaded M	20	912,00
AFL601	DN80	Flanged	40	1.045,44
AFL603	DN100	Flanged	100	1.567,24
AFL604	DN125	Flanged	100	1.761,00
AFL605	DN150	Flanged	150	2.791,80
AFL606	DN200	Flanged	300	6.294,24
AFL607	DN250	Flanged	400	7.640,40
AFL608	DN300	Flanged	475	10.432,00

APPLICATION

- Security filter for agriculture

SPECIFICS

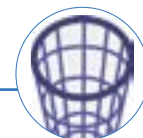
- Maximum working pressure: 10 bar
- Coupling: 2" threaded, other: flanged
- Filtering element: stainless steel screen 140 mesh standard
- Closing cap: 2" - 3" screw other: bolts

FEATURES

- Filter cap for discharge valve
- Horizontal installation

MATERIALS

- Body and cap: epoxy/ polyester painted steel
- Filtering screen: stainless steel with PVC support
- Seals: EPDM



MESH STF 'Y' SELF-CLEANING



Code	Coupling Ø		Q _{max} m ³ /h	€
AFL630	2"	Male threaded	38	1.035,72
AFL631	DN80	Flanged	55	1.462,68
AFL632	DN100	Flanged	65	1.734,24
AFL633	DN125	Flanged	65	1.860,36
AFL634	DN150	Flanged	115	3.548,52

APPLICATION

- Self-cleaning cyclone-effect safety filter for agricultural systems

SPECIFICS

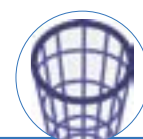
- Maximum working pressure: 10 bar
- Coupling: 2" threaded, other: flanged
- Filtering element: stainless steel screen 140 mesh standard
- Closing cap: screw, DN150 with bolts

FEATURES

- Filter cap for discharge valve
- Horizontal installation

MATERIALS

- Body and cap: epoxy/ polyester painted steel
- Filtering screen: stainless steel with PVC support
- Seals: EPDM



MANUAL METAL FILTERS

Discount category A

SEMI-AUTOMATIC DISK FILTER



Code	Coupling Ø	Q _{max} m ³ /h	€
AFL157	3"	36	828,00
AFL159	DN80	36	828,00
AFL158	4"	72	908,50
AFL160	DN100	72	908,50

APPLICATION

- Semi-automatic disk filter with manual backwash

SPECIFICS

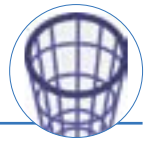
- Maximum pressure: 10 bar
- Filtering element: stainless steel 120 mesh
- Screw-down closure

FEATURES

- Disk filter manual backwash
- Ball valve for discharging

MATERIALS

- Body, cap: painted steel
- Filtering element: SS grid



ASSEMBLED FILTERING SYSTEM



Code	Cou. Ø	N° filters	Q _{max} m ³ /h	€
AFLB400	DN100	1	72	3.040,00
AFLB402	DN150	2	140	7.440,00
AFLB403	DN150	3	210	11.200,00

Other versions on request

APPLICATION

- Preassembled filtering system with hydrocyclon and screen filter

SPECIFICS

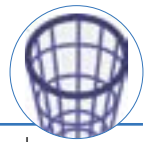
- Maximum pressure: 8 bar
- Couplings: DN100 flanged
- Filtering element: stainless steel screen, 120 mesh
- Closing: screw

FEATURES

- DN100 hydrocyclon
- Self-cleaning, manual screen filter (DN100)
- Painted/galvanized steel manifolds
- Butterfly valve
- Ø ¾" fertigation predisposition

MATERIALS

- Body, cap: galvanized steel
- Filtering element stainless steel screen



MANUAL FILTERS SAND SEPARATORS

PLASTIC HYDROCYCLON SERIES S



Code	Coupling Ø	Q _{max} m ³ /h	€
AFL695	DN50 - 2"	15 ÷ 25	373,50
AFL696	DN65 - 2" ½	25 ÷ 40	456,50
AFL697	DN80 - 3"	35 ÷ 52	572,70

APPLICATION

- Cyclonic effect filter for sand separation

SPECIFICS

- Maximum pressure: 6 bar
- Couplings: flanged and threaded

FEATURES

- Wholly plastic body
- Inspectable tank for sand collection included
- Including drain valve
- Self-supporting for an easy installation
- Input/output: 90°degrees
- Unscrewable flange for threaded connection

MATERIALS

- Body and tank: reinforced polyamide
- Tank closing band: stainless steel
- Seals: EPDM (if any)

MANUAL SAND SEPARATORS FILTERS

Discount category A

PLASTIC HYDROCYCLONES WITH METAL RESERVOIR



Code	Coupling Ø	Q _{max} m ³ /h	€
AFL064	3"VT	30 ÷ 40	476,10

APPLICATION

- Cyclonic effect filter for sand separation

SPECIFICS

- Maximum pressure: 6 bar
- Connections: victaulic

FEATURES

- Body made entirely of plastic material
- Sand collection tank
- Drain valve included
- Self-supporting for easy installation
- Inlet/outlet: 90°

MATERIALS

- Body: reinforced polyamide
- Tank: painted metal
- Tank closure strip: stainless steel
- EPDM gaskets (where fitted)

PAINTED HYDROCYCLON



Code	Descrip.	Coupling Ø	Q _{max} m ³ /h	€	
AFL510	Mini hydrocyclon	¾"	Male	3 ÷ 5	258,80
AFL511	Mini hydrocyclon	1"	Male	5 ÷ 10	285,20
AFL512	Mini hydrocyclon	1" ¼"	Male	7 ÷ 12	287,50
AFL517	Mini hydrocyclon	1" ½"	Male	9 ÷ 15	322,00
AFL513	Hydrocyclon	2"	Male	14 ÷ 24	448,50
AFL523	Hydrocyclon	2"½"	Male	25 ÷ 30	454,30
AFL514-F	Hydrocyclon	3"	Male	30 ÷ 35	736,00
AFL515-F	Hydrocyclon	4"	Male	35 ÷ 60	805,00
AFL514	Hydrocyclon	DN80	Flanged	30 ÷ 35	736,00
AFL515	Hydrocyclon	DN100	Flanged	35 ÷ 60	805,00
AFL524*	Hydrocyclon	DN150	Flanged	85 ÷ 160	3.047,50

*Available on request

Galvanized hydrocyclones available on request

APPLICATION

- Cyclonic effect filter for sand separation

SPECIFICS

- Maximum pressure: 8 bar
- Couplings: threaded, flanged

FEATURES

- Inspectable tank for sand collection included
- Discharge valve
- Self-supporting for an easy installation
- Input/output: 90°

MATERIALS

- Body and tank: epoxy painted steel
- Seals: EPDM (if any)

SELF-CLEANING PRE-FILTER



Code	Ø _{flange}	Q _{max} m ³ /h	€
AVF020	DN100	100	1.702,60
AVF021	DN150	180	2.189,60
AVF022	DN200	300	2.789,40

APPLICATION

- Pre-filter for lifting systems from channel, lake, basin

SPECIFICS

- Maximum pressure: 10 bar
- Fittings: flanged
- Filtering element: 2500 micron (2,5 mm) SS screen
- Filtering element cleaning system: recirculating water

FEATURES

- Cleaning nozzle consumption: 5 m³/h - 4 bar
- Cleaning system optimum range: 2 ÷ 6 bar
- It does not include include foot valve

MATERIALS

- Body, cap: steel, epoxy/galvanized steel coating
- Cleaning system: PVC/brass
- EPDM seals

560 SERIES HYDROCYCLONES



Code	Mod.	Coupling Ø	Q _{max} m ³ /h	€	
AFL5602	ACX26501	2"	Male	18	547,50
AFL5603	ACX26503	3"	Male	36	761,25
AFL5604	ACX26505	4"	Male	72	908,75
AFL5605	ACX26507	5"	Male	108	1.011,25

APPLICATION

- Cyclonic effect filter for sand separation

SPECIFICS

- Maximum pressure: 6 bar
- Connections: male threaded

FEATURES

- Sand collection tank included
- Exhaust valve 0 1"

MATERIALS

- Hot-dip galvanized steel

561 SERIES HYDROCYCLONES



Code	Mod.	Coupling Ø	Q _{max} m ³ /h	€
AFL5612	ACX26502	DN65	18	572,50
AFL5613	ACX26504	DN80	36	805,00
AFL5614	ACX26506	DN100	72	952,50
AFL5615	ACX26508	DN125	108	1.056,25

APPLICATION

- Cyclonic effect filter for sand separation

SPECIFICS

- Maximum pressure: 6 bar
- Connections: flanged

FEATURES

- Sand collection tank included
- Exhaust valve 0 1"

MATERIALS

- Hot-dip galvanized steel

FILTERS ASPIRATION

SELF-CLEANING PRE-FILTER



Code	DN	€
AVF339	100	1.252,50
AVF340	120	1.560,10
AVF341	150	3.216,50

APPLICATION

- Prefilter for canal, lake and tank lifting systems

SPECIFICS

- Max washing pressure: 3 bar
- Cleaning using rotating nozzles
- Filtering element: 3000 micron stainless steel mesh
- Washing power connection: 1" F
- Integrated foot valve

FEATURES

- Nozzle consumption: 4.5 m³/h
- Operational positioning: vertical
- Removable net for maintenance
- Support feet
- Bottom valve opening lever
- Double sealed bearing rotation system

MATERIALS

- Body: galvanized steel
- Cleaning system: PVC - stainless steel - brass
- Bottom valve: galvanized steel
- Seals: EPDM

DN	Max press. bar	Ø body mm	Q max m ³ /h
80	3	500	80
100	3	500	100
120	3	600	150
150	3	600	180

AUTOMATIC FILTERS

Discount category A

DISK FILTERING STATIONS OPENABLE SPINE SD-SUPERCLEAN



APPLICATION

- Automatic disk filter for agriculture with a hydraulic release device

SPECIFICS

- Maximum pressure: 8 bar
- Maximum working pressure: 2,8 bar
- Fittings: flanged
- Wastewater output: 2"
- Filtering element: disk, 140 mesh standard
- Lock-up cap: stainless steel band
- Code colour to identify filtration level
- 3 ways backwash valves
- Backwash control system by differential time and pressure

FEATURES

- Control unit supply: 220V AC-filter flush/battery (4x1,5V)/Filtron 1-10
- Input/output manifolds printed mono-block
- Hydraulic safety-related control
- Backwash valve: Bermad Ø 2"
- 2" L filter with increased surface equal to a 3" standard filter

MATERIALS

- High-density polypropylene manifolds
- Reinforced plastic hydrovalves
- Wide hydraulic passage for solenoids control

MANIFOLDS Ø MM

Filter	Units	Ø
2"L	2	90
2"L	3	110
2"L	4	140
2"L	5	160
2"L	6	160
3"Double	2	160
3"Double	3	200
3"Double	4	200
3"Double	5	200

Other diameters on request

WORKING FLOW-RATE M³/H

Model	Water quality*		
	High	Medium	Low
2 x 2"L	44	31	21
3 x 2"L	66	47	31
4 x 2"L	88	62	42
5 x 2"L	111	78	52
6 x 2"L	133	94	62
2 x 3"Double	85	60	40
3 x 3"Double	128	90	60
4 x 3"Double	170	120	80
5 x 3"Double	213	150	100

*Calculated on the filtration level of 140 mesh/105 micron

Inches	Backwash minimum flow-rate
2"L	10 m ³ /h
3"Double	15 m ³ /h

Ø	Units				
	2	3	4	5	6
mm ² filtering surface					
2"L	3.100	4.650	6.200	7.750	9.300
3"Double	6.200	9.300	12.400	15.500	18.600

SD-SUPERCLEAN FILTER WITH POWER SUPPLY 24 V AC

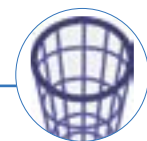
Code	Model	Units	Valve Ø	Q _{max} m ³ /h	€ _{without programmer}	€
AFL2068	SD-SUPERCLEAN 2x2"L	2	2" x 2" x 2"	52	4.081,40	4.427,50
AFL2069	SD-SUPERCLEAN 3x2"L	3	2" x 2" x 2"	78	5.478,60	5.965,40
AFL2070	SD-SUPERCLEAN 4x2"L	4	2" x 2" x 2"	104	6.993,20	7.533,70
AFL2071	SD-SUPERCLEAN 5x2"L	5	2" x 2" x 2"	130	8.219,10	9.574,60
AFL2072	SD-SUPERCLEAN 6x2"L	6	2" x 2" x 2"	156	9.358,70	10.177,50
AFL3002	SD-SUPERCLEAN 2x3"Double	2	3" x 2" x 3"	100	7.473,90	7.820,00
AFL3003	SD-SUPERCLEAN 3x3"Double	3	3" x 2" x 3"	150	9.676,10	10.062,50
AFL3004	SD-SUPERCLEAN 4x3"Double	4	3" x 2" x 3"	200	12.570,70	12.995,00
AFL3005	SD-SUPERCLEAN 5x3"Double	5	3" x 2" x 3"	250	14.073,70	15.200,80

SD-SUPERCLEAN FILTER WITH POWER SUPPLY 12 V DC LATCH

Code	Model	Units	Valve Ø	Q _{max} m ³ /h	€ _{without programmer}	€
AFL2102	SD-SUPERCLEAN 2x2"L	2	2" x 2" x 2"	52	3.998,80	4.561,40
AFL2103	SD-SUPERCLEAN 3x2"L	3	2" x 2" x 2"	78	5.306,10	5.635,00
AFL2104	SD-SUPERCLEAN 4x2"L	4	2" x 2" x 2"	104	6.858,60	7.187,50
AFL2105	SD-SUPERCLEAN 5x2"L	5	2" x 2" x 2"	130	8.061,50	8.659,60
AFL2106	SD-SUPERCLEAN 6x2"L	6	2" x 2" x 2"	156	9.494,40	9.947,50
AFL3103	SD-SUPERCLEAN 2x3"Double	2	3" x 2" x 3"	100	7.330,10	7.590,00
AFL3103	SD-SUPERCLEAN 3x3"Double	3	3" x 2" x 3"	150	9.503,60	9.832,50
AFL3104	SD-SUPERCLEAN 4x3"Double	4	3" x 2" x 3"	200	12.436,10	12.765,00
AFL3105	SD-SUPERCLEAN 5x3"Double	5	3" x 2" x 3"	250	14.271,50	14.662,50

Note: for the filter code without control unit and pressure switch add -5 to the code in the table (ex: AFL1065-5) - For management with other automation systems insert differential pressure switch page 73

ANGLE SCREEN FILTERS STF SERIES SF 100 HYDRAULIC



APPLICATION

- Vertical hydraulic automatic screen filter for agriculture

SPECIFICS

- Maximum pressure: 10 bar (other: on request)
- Minimum working pressure: 2,5 bar
- Fittings: flanged
- Wastewater output: 1"
- Filtering element: 100 micron (140 mesh) stainless steel screen
- Time and differential pressure backwash control system

FEATURES

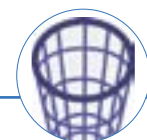
- Unit control supply: battery 4 x 1,5 V
- Hydraulic safety-related control

MATERIALS

- Filter body: epoxy/polyester painted steel
- Filtering screen: stainless steel
- Filtering screen support: co-pressed polypropylene
- Bucket reinforce structure: stainless steel sheet

Code	Model	Filtering cartridge	Filt. area cm ²	Ø _{flange}	Q _{nom} m ³ /h	Q _{working} m ³ /h and water quality			Backwash. m ³ /h	€
						high	medium	low		
AFL699	1002	PP	1.600	DN50	90	50	30	10	2,4	4.522,95
AFL700	1003	PP	1.600	DN80	90	50	30	20	3,0	4.811,65
AFL701	1004	PP	2.475	DN100	150	70	50	25	3,0	5.911,92
AFL702	1006	PP	4.950	DN150	280	90	70	50	9,0	9.064,94

HORIZONTAL SCREEN FILTER SMARTFILTER STF SERIES



APPLICATION

- Horizontal automatic mesh filter for agricultural systems

SPECIFICS

- Maximum pressure: 10 bar
- Minimum operating pressure: 2.5 bar*
- Connections: flanged
- Waste water outlet: 2"
- Filter element: 200 - 125** - 100 - 74 micron
- Maximum water temperature 50°C
- Backwash time 35 s (auto adjustable)
- Time and differential pressure backwash

FEATURES

- Pre-filter basket water inlet
- Control unit power supply: 4 AA/220V 50 Hz alkaline batteries
- Safety filter hydraulic control signal
- Bluetooth control unit management

MATERIALS

- Filter body and covers: S-235-JR
- Treatment: oven-cured epoxy polyester
- Suction scanners: AISI 304
- Filter mesh: AISI 316
- Suction nozzles: PVC
- Backwash valves: PP
- Bolts and nuts: bichromated
- Gaskets: NBR - EPDM - Viton

*Minimum operating pressure 1.5 bar on request

**Standard, others on request

Code	Filt. area cm ²	Q _{nom} m ³ /h	Q _{working} m ³ /h and water quality			Backwash		Ø _{flange} IN/OUT	Flange distances mm	Empty weight Kg	€
			high	medium	low	Flow rate m ³ /h	lit consumption				
AFL483	2.475	110	85	60	40	5	45	3" - DN80	360	100	9.571,68
AFL484	4.950	200	110	90	65	12	115	4" - DN100	770	115	9.825,60
AFL486	7.425	270	200	150	110	20	195	6" - DN150	900	130	11.190,48
AFL488	9.900	410	315	240	175	25	240	8" - DN150	900	145	12.527,64
AFL490	12.375	580	400	340	240	35	340	10" - DN150	900	165	14.216,76

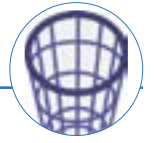
Others on request

AUTOMATIC FILTERS



Discount category A

ANGLE SCREEN FILTERS STF SERIES SF 100 ELECTRICAL



APPLICATION

- Vertical hydraulic automatic screen filter with electrical engine for agriculture

SPECIFICS

- Maximum pressure: 10 bar (other: on request)
- Minimum working pressure: 1 bar
- Fittings: flanged
- Wastewater output: 1"
- Filtering element: 100 micron (140 mesh) standard stainless steel screen
- Time and differential pressure backwash control system

FEATURES

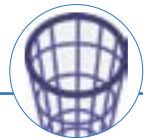
- Hydraulic safety-related control

MATERIALS

- Filter body: epoxy/polyester painted steel
- Filtering screen: stainless steel
- Filtering screen support: stainless steel (co-pressed on request)
- Bucket reinforce structure: stainless steel sheet

Code	Filtering cartridge	Filt. area cm ²	Ø _{flange}	Q _{nom} m ³ /h	Q _{working} m ³ /h and water quality			Backwash. m ³ /h	€
					high	medium	low		
AFL800	Stainless steel	1.000	DN50	70	20	15	10	2,4	14.018,04
AFL801	Stainless steel	1.760	DN80	140	40	28	20	3,0	14.277,48
AFL802	Stainless steel	2.650	DN100	200	60	48	34	3,0	15.210,36
AFL803	Stainless steel	5.300	DN150	350	120	100	70	9,0	17.615,76

HORIZONTAL SCREEN FILTER STF SERIES SF 200 ELECTRICAL



APPLICATION

- Horizontal, automatic screen filter for agriculture

SPECIFICS

- Maximum pressure: 10 bar (other: on request)
- Minimum working pressure: 1 bar
- Fittings: flanged
- Wastewater output: 2"
- Filtering element: 100 micron (140 mesh) standard
- Backwash control system by differential time and pressure

FEATURES

- Electric engine: 220V/400V - 0,5 CV
- Control unit supply: 220V AC
- Hydraulic safety-related control

MATERIALS

- Filter body: epoxy/polyester painted steel
- Filtering screen: stainless steel
- Filtering screen support: stainless steel
- Bucket reinforce structure: stainless steel sheet

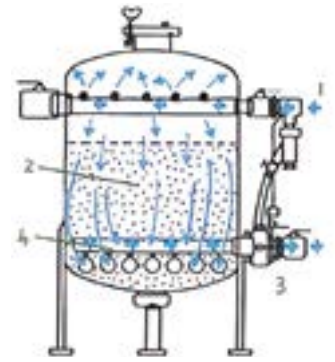
Code	Filt. area cm ²	Ø _{flange}	Q _{nom} m ³ /h	Q _{working} m ³ /h and water quality			It consumption per washing	€
				high	medium	low		
AFL710	2.200	DN80	95	60	48	34	35	23.731,20
AFL711	4.390	DN100	180	110	90	70	70	29.238,12
AFL712	6.900	DN150	350	215	173	129	105	35.275,44
AFL713	9.400	DN200	590	320	256	192	140	39.577,20
AFL724	11.900	DN250	900	580	464	348	175	42.653,04
AFL715	14.700	DN300	1.000	700	560	420	140	56.015,40
AFL716	19.150	DN350	1.350	900	720	540	175	60.902,52

GRAVEL FILTERS

Discount category A

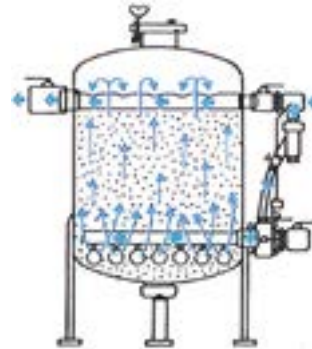
FILTRATION

- Water inlet
- Filter element (quartz grit or sand)
- Water outlet
- Collection collector



BACKWASH

- In order to remove the impurities accumulated in the filter layer, the filter is backwashed using the inlet as the normal water outlet



- Note: All painted or galvanised grit filters, whether single or double chamber, have a filter identification plate rigidly fixed to the body.
- This label bears the following data, suitable for the unambiguous identification of the product: filter model
product serial number
production date

SINGLE CHAMBER

Code	Descrip.	Ø mm	In/Out	Q _{max} m ³ /h	€
AFLT001	Painted	500	2"	18	1.109,80
AFLT008	Painted	750	3"/76 vt	40	1.454,80
AFLT037	Painted	900	89/89 vt	62	1.897,50
AFLT032	Painted	950	89/89 vt	68	1.897,50
AFLT036	Painted	1.200	DN100	120	3.612,70
AFLT011	Galvanized	500	2"	18	1.196,00
AFLT014	Galvanized	750	3"/76 vt	40	1.581,30
AFLT015	Galvanized	950	89/89 vt	68	2.152,10



APPLICATION

- Surface waters, lakes, channels

SPECIFICS

- Maximum pressure: 8 bar
- Couplings: threaded, flanged, victaulic
- Filtering element: 0,8/1,2 mm quartz gravel
- Lock-up: 2" screw, others: bolts

FEATURES

- Filtration nozzles bed
- Filtration nozzles 0,3 mm

MATERIALS

- Body and cap: epoxy painted steel-galvanized steel
- Filtration nozzles: polypropylene
- Seals: EPDM

Code		Ø mm	Weight kg		Filtration nozzles nr
Painted	Galvanized		Body	Gravel	
AFLT001	AFLT011	500	50	125	15
AFLT008	AFLT014	750	70	275	20
AFLT037		900	170	350	42
AFLT032	AFLT015	950	120	375	41
AFLT036		1.200	280	600	55

GRAVEL FILTERS

Discount category A

SINGLE CHAMBER WITH MANUAL BACKWASH



Code	Ø mm	In/ Out	Disch.	Q _{max} m ³ /h	€
AFLB007	500	2"F/2"F	Ø 40 PE	18,0	2.006,00
AFLB029	750	3"F/3"M	Ø 63 PE	40,0	2.541,50
AFLB111	950	3"F/89 vt	3"	60,0	3.583,90

APPLICATION

- Surface waters, lakes, channels

SPECIFICS

- Maximum pressure: 8 bar
- Couplings: threaded
- Filtration element: 0,8 ÷ 1,2 mm quartz
- Painted filter body

FEATURES

- Backnut ball valve in PVC input/output water and discharge backwash
- Input filter water backwash 2"
- Security filter 2" and 3"
- Manometer

SINGLE CHAMBER WITH AUTOMATIC BACKWASH



Code	P.S.	Ø mm	In/ Out	Dis.	Q _{max} m ³ /h	€
AFLB008	220 V	500	2"F/2"F	Ø 2"	18,0	3.180,00
AFLB009	12 VDC	500	2"F/2"M	Ø 2"	18,0	3.180,00

APPLICATION

- Surface waters, lakes, channels

SPECIFICS

- Maximum pressure: 8 bar
- Couplings: threaded
- Filtration element: 0,8 ÷ 1,2 mm quartz
- Painted filter body

FEATURES

- Backnut ball valve in PVC input/output water and discharge backwash
- Hydraulically operated backwash valves
- Input filter water backwash 2"
- Security filter 2"
- Manometer
- Controller power supply:
 - 220 V AC
 - 12 V DC (4 x 1.5 V batteries not included)

Ø mm	Weight kg		Filtration nozzles nr
	Body	Gravel	
500	50	125	15

Code	Ø mm	Weight kg		Filtration nozzles nr
		Body	Gravel	
AFLB007/ AFLB008/ AFLB009	500	50	125	15
AFLB029	750	70	275	20
AFLB111	950	120	350	41

MANUAL GRAVEL FILTER STATIONS



APPLICATION

- Filter for surface waters, lakes, channels

SPECIFICS

- Maximum pressure: 8 bar
- Fittings: flanged
- Filtering element: quartzite gravel (0,8/1,2 mm)

FEATURES

- Input/output water manifolds
- Manual valve discharge water
- Pressure gauges

Code		Units	Ø mm	Ø manifold couplings		Q _{max} m ³ /h	Gravel kg	€
Galvanized	Painted							
AFLB030-Z	AFLB030-V	2	500	DN80	Flanged	36	250	4.276,70
AFLB063-Z	AFLB063-V	2	750	DN100	Flanged	80	525	5.459,00
AFLB032-Z	AFLB032-V	3	750	DN125	Flanged	129	800	7.620,80
AFLB033-Z	AFLB033-V	2	900	DN125	Flanged	124	700	7.434,80
AFLB034-Z	AFLB034-V	3	900	DN150	Flanged	186	1.050	10.478,80
AFLB061-Z	AFLB061-V	2	950	DN125	Flanged	136	750	7.434,80
AFLB062-Z	AFLB062-V	3	950	DN150	Flanged	204	1.150	10.478,80

Note: gravel not included

AUTOMATIC GRAVEL FILTER STATIONS



APPLICATION

- Filter for surface waters, lakes, channels

SPECIFICS

- Maximum pressure: 8 bar
- Fittings: flanged
- Filtering element: quartzite gravel (0,8/1,2 mm)
- System of controlled backwash on time and on differential pressure

FEATURES

- Coupling input/output water galvanized or painted
- Backwash valve high flux in reinforced plastic material
- Discharge backwash in PE
- Security filter with hydraulic signal
- Air valve
- Manometers
- Power supply of control unit: 220 V AC
12 V DC (4 batteries x 1,5 V not included)

CONTROL UNIT WITH BATTERY - POWER SUPPLY 12 V DC

Code		Units	Ø mm	Ø manifold couplings		Q _{max} m ³ /h	Gravel kg	€*
Galvanized	Painted							
AFLB010-Z	AFLB010-V	2	500	DN80	Flangiati	36	250	5.393,50
AFLB016-Z	AFLB016-V	2	750	DN100	Flangiati	86	525	6.877,00
AFLB018-Z	AFLB018-V	3	750	DN125	Flangiati	129	800	9.976,30
AFLB038-Z	AFLB038-V	2	900	DN125	Flangiati	124	700	8.970,00
AFLB039-Z	AFLB039-V	3	900	DN150	Flangiati	186	1.050	12.126,80
AFLB017-Z	AFLB017-V	2	950	DN125	Flangiati	136	750	8.970,00
AFLB019-Z	AFLB019-V	3	950	DN150	Flangiati	204	1.150	12.126,80
AFLB015-Z	AFLB015-V	4	950	DN150	Flangiati	272	1.550	19.945,00
	AFLB046	2	1.200	DN200	Flangiati	240	1.200	13.631,00
	AFLB056	3	1.200	DN200	Flangiati	360	1.800	20.601,10

CONTROL UNIT WITH BATTERY - POWER SUPPLY 230 V AC

Code		Units	Ø mm	Ø manifold couplings		Q _{max} m ³ /h	Gravel kg	€*
Galvanized	Painted							
AFLB020-Z	AFLB020-V	2	500	DN80	Flangiati	36	250	5.566,00
AFLB040-Z	AFLB040-V	2	750	DN100	Flangiati	86	525	7.049,50
AFLB022-Z	AFLB022-V	3	750	DN125	Flangiati	129	800	9.976,30
AFLB044-Z	AFLB044-V	2	900	DN125	Flangiati	124	700	8.970,00
AFLB045-Z	AFLB045-V	3	900	DN150	Flangiati	186	1.050	12.322,30
AFLB042-Z	AFLB042-V	2	950	DN125	Flangiati	136	750	8.970,00
AFLB043-Z	AFLB043-V	3	950	DN150	Flangiati	204	1.150	12.322,30
AFLB055-Z	AFLB055-V	4	950	DN150	Flangiati	272	1.550	20.025,00
	AFLB057	2	1.200	DN200	Flangiati	240	1.200	13.862,10
	AFLB058	3	1.200	DN200	Flangiati	360	1.800	20.824,20

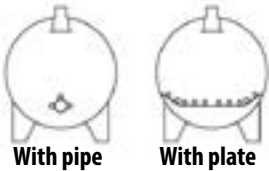
Note: gravel not included

*Version without control unit available on request

GRAVEL FILTERS

Discount category A

MANUAL DOUBLE CHAMBER



APPLICATION

- Horizontal filter for surface waters, lakes, channels

SPECIFICS

- Maximum pressure: 8 bar
- Filtering element: quartzite gravel (0,8/1,2 mm)

FEATURES

- Input/output water manifolds (galvanized)
- Backwash manual gate valves
- Vent valve for each chamber
- Control pressure gauges

MATERIALS

- Galvanized steel body – 4 mm thickness
- Seals: NBR
- Filtration nozzles: plastic material cracking 0,5 mm

Code	Ø	Filter weight kg
AFL203	2" F	65
AFL204	DN80	155
AFL205	DN100	220
AFL206	DN125	290

Code	Description	Ø _{flange}	Filt. nozzles nr	Body Ø mm	Gravel kg	Q m ³ /h	€
AFL203	With pipe	2" F	14	400	100	5 ÷ 15	2.173,50
AFL204	With pipe	DN80	32	600	350	13 ÷ 50	2.937,00
AFL205	With pipe	DN100	42	750	600	30 ÷ 70	3.729,00
AFL206	With pipe	DN125	60	900	850	40 ÷ 100	4.587,00
AFL204-P	With plate	DN80	52	600	250	12 ÷ 50	2.949,80
AFL205-P	With plate	DN100	66	750	500	28 ÷ 70	3.737,50
AFL206-P	With plate	DN125	112	900	750	35 ÷ 100	4.542,50

Note: gravel not included

APPLICATION

- Horizontal filter for surface waters, lakes, channels

SPECIFICS

- Maximum pressure: 8 bar
- Filtering element: quartzite gravel (0,8/1,2 mm)
- Backwash control system by differential time and pressure

FEATURES

- Input/output water manifolds (galvanized)
- High-flow backwash valves in reinforced plastic material
- PE backwash discharge
- Security filter with hydraulic signal
- Control unit supply: 220V AC/12V DC (4 batteries x 1,5V not included)
- Vent valve for each chamber
- Control pressure gauges

MATERIALS

- Galvanized steel body – 4 mm thickness
- Seals: NBR
- Filtration nozzles: plastic material cracking 0,5 mm

AUTOMATIC DOUBLE CHAMBER



Code	Ø	Filter weight kg
AFL208	2" F	65
AFL210	DN80	155
AFL211	DN100	220
AFL212	DN125	290

Code		Description	Ø _{flange}	Filt. nozzles nr	Body Ø mm	Gravel kg	Q m ³ /h	€*
12 V	24 V							
AFL208-12V	AFL208-24V	With pipe	2" F	14	400	100	5 ÷ 15	3.444,30
AFL210-12V	AFL210-24V	With pipe	DN80	32	600	350	13 ÷ 50	4.755,40
AFL211-12V	AFL211-24V	With pipe	DN100	42	750	600	30 ÷ 70	5.384,20
AFL212-12V	AFL212-24V	With pipe	DN125	60	900	850	40 ÷ 100	6.666,80
AFL210-P-12V	AFL210-P-24V	With plate	DN80	52	600	250	12 ÷ 50	4.850,00
AFL211-P-12V	AFL211-P-24V	With plate	DN100	66	750	500	28 ÷ 70	5.600,00
AFL212-P-12V	AFL212-P-24V	With plate	DN125	112	900	750	35 ÷ 100	6.700,00

*Version without control unit available on request - Note: gravel not included

FILTERS SUPPORTS PER SERIES SF 100 - SF 400



Code	Description	Ø filter	Ø support flange	Treatment	€
FTLZ250	Hydraulic and electric filters supports SF 100	DN65-DN80		Galvanized	787,50
FTLZ251	Hydraulic and electric filters supports SF 100	DN100-DN150		Galvanized	857,50



FTL501	Hydraulic horizontal filters supports SF 400	8" ÷ 10"	DN150	Painted three point hitch	REQ.
FTL050	Hydraulic horizontal filters supports SF 400	4"	DN100	Galvanized	REQ.



FTL051	Hydraulic horizontal filters supports SF 400	6"	DN150	Galvanized	REQ.
FTL052	Hydraulic horizontal filters supports SF 400	8" ÷ 10"	DN150	Galvanized	REQ.

GRAVEL



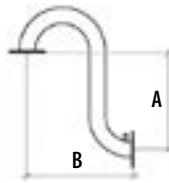
Code	Description	mm granulometry	€
AAC939	Gravel - sack 25 kg	0,4 ÷ 0,8*	10,80
AAC940	Gravel - sack 25 kg	0,8 ÷ 1,2	10,80
AAC948	Gravel quartz grit - sack 25 kg	1,0 ÷ 2,0*	10,80
AAC946	Gravel quartz grit - sack 25 kg	1,0 ÷ 3,0*	11,40

*On request

1 pallet contains 63 sacks for a total weight of 1.575 kg - Diferent granulometry sand available on request - Ex works

Discount category D

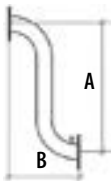
COLLECTORS FOR HYDROCYCLONES



Code	Mod.	Ø	Dimensions m		€
			A	B	
FCL553	ACX26147	DN65	0,60	0,35	275,00
FCL554	ACX26138	DN80	1,30	0,45	336,90
FCL555	ACX26139	DN100	1,35	0,50	398,75
FCL556	ACX26140	DN125	1,40	0,65	556,88

APPLICATION

- Type A manifold in galvanized steel with flanged fittings, for hydrocyclone OUTPUT



Code	Mod.	Ø	Dimensions m		€
			A	B	
FCL557	ACX26137	DN80	1,00	0,30	282,00
FCL558	ACX26143	DN100	1,00	0,35	330,00
FCL559	ACX26144	DN125	1,05	0,45	454,00

APPLICATION

- Type C manifold in galvanized steel with flanged fittings, for hydrocyclone INPUT

Classe di sconto A

MANIFOLDS



Code	Description	Finishing	Filters nr	Filter Ø mm	Ø _{flange}	Filters coupling	Gauge point	Service point	€
FCL605	2 outputs manifold	galvanized	2	500	DN80	2" M	¼" F	¾" F	279,70
FCL623	2 outputs manifold	galvanized	2	750	DN100	2" M	¼" F	¾" F	411,10
FCL612	2 outputs manifold	galvanized	2	750	DN100	76 Vic	¼" F	-	411,10
FCL616	2 outputs manifold	galvanized	2	950	DN125	89 Vic	¼" F	¾" F	569,30
FCL076Z	2 outputs manifold	galvanized	2	1.200	DN150	89 Vic	¼" F	¾" F	797,00
FCL620	3 outputs manifold	galvanized	3	750	DN125	2" M	¼" F	¾" F	672,60
FCL310	3 outputs manifold	galvanized	3	750	DN125	76 Vic	¼" F	-	724,40
FCL201	3 outputs manifold	galvanized	3	950	DN150	89 Vic	¼" F	¾" F	759,00
FCL600	2 outputs manifold	painted	2	500	DN80	2" M	¼" F	¾" F	289,30
FCL624	2 outputs manifold	painted	2	750	DN100	2" M	¼" F	¾" F	407,40
FCL628	2 outputs manifold	painted	2	750	DN100	76 Vic	¼" F	-	435,30
FCL614	2 outputs manifold	painted	2	950	DN125	89 Vic	¼" F	¾" F	569,30
FCL621	2 outputs manifold	painted	2	1.200	DN150	114 Vic	¼" F	¾" F	834,90
FCL622	2 outputs manifold	painted	2	1.200	DN150	DN100	¼" F	-	994,30
FCL620V	3 outputs manifold	painted	3	750	DN125	2" M	¼" F	¾" F	599,10
FCL310V	3 outputs manifold	painted	3	750	DN125	76 Vic	¼" F	-	645,90
FCL240	3 outputs manifold	painted	3	950	DN150	89 Vic	¼" F	¾" F	759,00



Filtron backwash programmer see page 92

FILTERING BATTERIES AUTOMATION KIT



Code	Description	€
EPS300	Murphy differential pressure switch	338,10
AAC701	12 Dc analogue differential pressure switch	75,00



Description	Stations nr	Code 12 V Dc	€	Code 24 V AC	€
Automation kit with control unit, solenoid and differential pressure switch	1	KCF048	1.046,50	KCF049	1.213,30
Automation kit with control unit, solenoid and differential pressure switch	2	KCF050	1.178,80	KCF052	1.315,60
Automation kit with control unit, solenoid and differential pressure switch	3	KCF053	1.220,20	KCF054	1.411,10
Automation kit with control unit, solenoid and differential pressure switch	4	KCF055	1.267,30	KCF056	1.519,20

VARIOUS FITTINGS



Code	Description	Couplings	€
FGS003	Victaulic coupling Style75	2" 60 victaulic	13,20
FGS004	Victaulic coupling Style75	2"½ 76 victaulic	15,40
FGS005	Victaulic coupling Style75	3" 88,9 victaulic	21,10
FGS006	Victaulic coupling Style75	4" 114,3 victaulic	23,90
FTS108	Victaulic Flange	2" 60 victaulic	34,80
FTS109	Victaulic Flange	2"½ 76 victaulic	41,80
FTS110	Victaulic Flange	3" 88,9 victaulic	65,10
FTS111	Victaulic Flange	4" 114,3 victaulic	77,70
FTS113	Victaulic Flange	6" 168,3 victaulic	103,00
FFA299	Male threaded flange	DN80 x 3"	150,00
FFA300	Male threaded flange	DN100 x 4"	170,00
FFA301	Male threaded flange	DN125 x 5"	190,00
FTS286	Victaulic male adapter (100 mm lenght)	2" x 60	26,30
FTS287	Victaulic male adapter (100 mm lenght)	2"½ x 76	26,30
FTS284	Victaulic male adapter (100 mm lenght)	3" x 88,9	36,80
FTS281	Victaulic male adapter (100 mm lenght)	4" x 114,3	41,10
AAC677	Diffuser nozzle + dowel TS1 (mod.T - threat 15/16"W-L= 50 mm)		7,20
FVF057	Backwash 3 ways manual valve	89VT x 2"M x 89VT	62,80



ACCESSORIES AND SPARE PARTS

Discount category A

SPARE CARTRIDGE FOR FILTERS

CARTRIDGE FOR SCREEN FILTER

Code	Mesh	Mat.	Mod.	€
AAC050	120	Polyamide	½" - ¾"	9,20
AAC051	120	Polyamide	1"	10,10
AAC052	120	Polyamide	1¼"	11,70
AAC053	120	Polyamide	1½"	15,60
AAC054	120	SS mesh	2"	29,20
AAC055	120	SS mesh	3"	51,40
AAC016	80	SS mesh	1"	10,10
AAC045	80	SS mesh	1¼"	11,70
AAC015	80	SS mesh	1½"	15,60
AAC043	80	SS mesh	2"	29,20
AAC013	80	SS mesh	3"	51,40

CARTRIDGE FOR SCREEN FILTER WITH REINFORCED BODY

Code	Mesh	Mat.	Mod.	€
AAC056	120	SS mesh	2" short	112,70
AAC057	120	SS mesh	2" long - 3"	115,00

CARTRIDGE FOR SEMI-AUTOMATIC SCREEN FILTER WITH REINFORCED BODY

Code	Mesh	Mat.	Mod.	€
AAC041	120	SS mesh	2"	109,30
AAC042	120	SS mesh	3"	109,30

FILTRATION ELEMENT FOR DISK FILTER TS

Code	Mesh	Mat.	Mod.	€
AAC0018	80	Disc	¾" - 1"	21,20
AAC0038	80	Disc	2"	85,40
AAC001	120	Disc	¾" - 1"	21,20
AAC002	120	Disc	1½"	71,30
AAC003	120	Disc	2"	85,40

FILTRATION ELEMENT FOR DISK FILTER MT

Code	Mesh	Mat.	Mod.	€
AAC353	120	Disc	2"	116,70
AAC354	120	Disc	3"	125,30

FILTRATION ELEMENT FOR DISK FILTER SD

Code	Mesh	Mat.	Mod.	€
AAC255	120	Disc	2" - 3" double	87,00
AAC258	120	Disc	3" single	173,60

FILTER DISCS MV SERIES SPARE PARTS

Code	Mesh	Description	€
AAC978	120	Complete disc pack	75,60
AAC991		Steel locking band	37,00
AAC993		Openable plug	254,10
AAC992		Lower body	78,20
AAC979		Upper cap	78,20

CARTRIDGE FOR SCREEN FILTER STF Y - L- CYCLONE

Code	Mesh	Mat.	Mod.	€
AAC768	120	SS mesh	2"	140,00
AAC769	140	SS mesh	2"	140,00
AAC786	200	SS mesh	2"	140,00

CARTRIDGE FOR SCREEN FILTER STF Y - Y- CYCLONE

Code	Mesh	Mat.	Mod.	€
AAC784	120	SS mesh	3"	200,00
AAC770	140	SS mesh	3"	200,00
AAC787	200	SS mesh	3"	200,00
AAC774	80	SS mesh	4" - 5"	350,00
AAC785	120	SS mesh	4" - 5"	350,00
AAC772	140	SS mesh	4" - 5"	350,00
AAC776	80	SS mesh	6"	630,00
AAC773	140	SS mesh	6"	630,00

CARTRIDGE FOR SCREEN FILTER STF - SF 100

Code	Mesh	Mat.	Mod.	€
AAC824	140	PP/inox	DN65	550,00
AAC810	140	PP/inox	DN80	1.060,00
AAC817	140	PP/inox	DN100	720,00
AAC818	140	PP/inox	DN150	1.230,00

CARTRIDGE FOR SCREEN FILTER STF - SF200

Code	Mesh	Mat.	Mod.	€
AAC766	120	Inox	DN100	1.230,00
AAC767	120	Inox	DN150	1.800,00
AAC840	140	Inox	DN200	REQ.

CARTRIDGE FOR SCREEN FILTERS STF - SF 400

Code	Mesh	Mat.	Mod.	€
AAC403	140	PP/inox	3" DN80	720,00
AAC404	140	PP/inox	4" DN100	1.230,00
AAC406	140	PP/inox	6" DN100	1.800,00
AAC408	140	PP/inox	8" DN150	2.400,00
AAC410	140	PP/inox	10" DN100	2.860,00

MONOFILAMENT SOCK FOR SCREEN FILTER Ø 3" AND 4"

Code	Mesh	€
AAC691	120	22,70
AAC694	140	22,70
AAC695	150	22,70

For all the filters available on demand other diameters and degrees of filtration

NOTE



FERTIGATION

INJECTORS

Discount category D

FERTILISER KIT



APPLICATION

- Connection kit for fertigation
- Injection system in galvanized steel
- Female threaded water inlet/outlet
- Ball valves inlet/outlet bypass 0 1 "F
- Fittings: galvanized steel

FEATURES

- Large bore handwheel brass valve

SPECIFICS

- Maximum operating pressure 8 bar

MATERIALS

- Valve: brass

Code	Description	In/Out	€
KPF001	Fertilizer kit w/valve and w/pressure gauges	Spherical 80 M x 3 "x 80 F	391,00
KPF002	Fertilizer kit w/valve and w/pressure gauges	Spherical 100M x 4 "x 100F	487,60
KPF003	Fertilizer kit w/valve and w/pressure gauges	Spherical 120 M x 4 "x 120 F	648,60
KPF004	Fertilizer kit w/valve and w/pressure gauges	Spherical 150 M x DN150 x 150 F	680,80

VENTURI KIT



APPLICATION

- Pressurized fertigation unit to be connected to the irrigation system

FEATURES

- Injection system in galvanized steel
- Spherical connections Ferrari M/F
- Large bore handwheel brass valve
- Manometers
- Venturi 1 "complete with suction
- Inlet/outlet sectioning ball valves 0 1 "

SPECIFICS

- Maximum operating pressure: 8 bar

MATERIALS

- Fittings Galvanized steel
- Brass valve
- Venturi polyethylene

Code	Description	In/Out	€
KPV001*	Venturi kit w/valve and w/pressure gauges	Spherical 80 M x 3 "x 80 F	508,30
KPV002*	Venturi kit w/valve and w/pressure gauges	Spherical 100M x 4 "x 100F	694,60
KPV003*	Venturi kit w/valve and w/pressure gauges	Spherical 120 M x 4 "x 120 F	742,90
KPV004*	Venturi kit w/valve and w/pressure gauges	Spherical 150 M x DN150 x 150 F	926,90

*Available on request

VENTURI



APPLICATION

- Fertirrigation system by Venturi nozzle

FEATURES

- By-pass injection system
- No parts in movement
- Fertilizers are aspirated from an atmospheric pressure tank by Venturi hydraulic principle
- % of the line pressure
- To work at best it needs a weight loss from 30% to 70%
- By by-pass the use of a gate valve is required in order to get a precise pressure regulation

SPECIFICS

- Maximum working pressure: 8 bar

MATERIALS

- Water threaded input/out
- Venturi body: polypropylene

Code	Description	Coupling Ø	Fert. asp. l/h	€
OIV010	S112R aspiration kit	¾"	12 ÷ 162	46,60
OIV011	S113R aspiration kit	1"	90 ÷ 460	71,10
OIV012	S114R aspiration kit	1½"	105 ÷ 1.020	97,70
OIV013	S115R aspiration kit	2"	180 ÷ 1.100	115,50

Composed by Venturi, flowmeter, transparent vinyl hose, filter and 2 strips PP standard injector, in PVDF available on request

Aspiration kit with no flowmeter - 10% on shown prices

Venturi operating table see page 324

FERTILIZER TANK



APPLICATION

- Fertirrigation unit in pressure to be connected in by-pass to the irrigation system

FEATURES

- Galvanized steel or epoxy painted injection system
 - Load tank with tommy screw
 - Threaded coupling for pressure gauge

SPECIFICS

- Female threaded water input/output
 - Maximum working pressure: 8 bar

MATERIALS

- Tank: steel
 - Seals: NBR

Code	Description	In/Out	Lt capacity	€
AFR002	Vertical painted	¾"	120	598,00
AFR010	Vertical painted	1"	150	665,00
AFR011	Horizontal painted	1"	200	821,00
AFR019	Horizontal painted	1"	300	870,00
AFR021	Horizontal painted	1"	500	1.124,00



APPLICATION

- Pressure fertigation unit for by-pass connection to the irrigation system

FEATURES

- Galvanized steel injection system
 - Flow meter scale 1-25 l/m
 - Ball valves
- Loading hatch with screw closure
- Pressure gauge

SPECIFICS

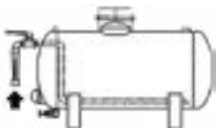
- Female threaded water inlet/outlet
 - Maximum operating pressure: 8 bar

MATERIALS

- Tank: steel - Gaskets NBR

Code	Mod.	Description	In/Out	Lt capacity	€
AFR001	ACX26201	Vertical galvanized	¾"	80	800,00
AFR004	ACX26202	Vertical galvanized	¾"	180	1.050,00
AFR012	ACX26205	Horizontal galvanized	¾"	180	1.062,50
AFR025	ACX26204	Horizontal galvanized	¾"	400	1.425,00

GIUNTI FERTILIZER TANK



HYDRAULIC DOSING PUMPS

Discount category D

TEFEN MIXRITE PROPORTIONAL PUMPS

APPLICATION

- Fertilizers injection both for drip irrigation and sprinkling systems

SPECIFICS

- ¾", 1", 1½", 2" M threaded fittings
- In line and by pass installation
- Injection range: 02% - 10% depending on the model
- Injection regulation ring with lock to avoid wrong regulations
- Manual on/off version, venting valve version available on request, hydraulic or remote electric on/off as well
- Complete with pipe and fertilizer aspiration filter
- Hydraulic engine and seals lubricated with water. No further needs of lubricators
- Fertilizer is added by continuous cycle whenever water passes through the mixrite, proportionally to its flow

FEATURES AND BENEFITS

- Easy use and maintenance
- Suitable for both indoor and in the field installations
- TF2.5 and TF5 models are provided with stake for wall mounting, models TF10 and TF25 with plastic support legs (wall mounting stake on request)
- Driven exclusively by water force, no need of other energy sources
- Wide range of models



Code	Description	Dosage %	Coup. Ø M	m³/h	€
FER327*	MixRite TF1 Clorine	0,1 ÷ 1	¾"	1,0	657,00
FER330	MixRite TF1 OnOff	0,2	¾"	1,0	489,50
FER331	MixRite TF2.5 OnOff	0,2 ÷ 2	¾"	2,5	573,50
FER332	MixRite TF2.5 OnOff	0,4 ÷ 4	¾"	2,5	497,00
FER333	MixRite TF3.5 OnOff Internal ByPass	1 ÷ 10	¾"	3,5	1.261,30
FER353	MixRite TF2.5 PVDF OnOff	0,2 ÷ 2	¾"	2,5	759,00
FER354	MixRite TF2.5 PVDF OnOff	0,4 ÷ 4	¾"	2,5	759,00
FER334	MixRite TF5 OnOff	0,1 ÷ 1	1"	5,0	1.113,00
FER335	MixRite TF5 OnOff	0,2 ÷ 2	1"	5,0	1.113,00
FER336	MixRite TF5 OnOff	0,5 ÷ 5	1"	5,0	1.390,70
FER337	MixRite TF10 OnOff	0,1 ÷ 1	1½"	10,0	1.629,00
FER338	MixRite TF10 OnOff	0,2 ÷ 2	1½"	10,0	1.629,00
FER339	MixRite TF10 OnOff	1 ÷ 5	1½"	10,0	1.666,00
FER340	MixRite TF25 OnOff	0,2 ÷ 2,0	2"	25,0	2.193,00
FER341	MixRite TF25 OnOff	1 ÷ 5,5	2"	25,0	2.296,00

*On request

Other models available on request

TREATRITE BYPASS SYSTEM



APPLICATION

- Proportional system for the injection of solutions between a main pipeline and a bypass subline

FEATURES

- Can be used with MixRite 2.5 - 3.5 - TF5 and TF10
- Keeps the proportional flow rate constant
- Dosage proportional to flow rate
- Preset system. No calibration necessary

SPECIFICS

- Operating pressure up to 8 bar
- stable injection ratio: 10 to 1
- High resistance to UV rays
- High chemical resistance
- Materials
- Ducts: PVC
- Hydrovalve: polyamide

Code	Flow rate range	Dosing interval		Main coupling	by-pass coupling	MixRite Model	€
	m ³ /h	%	L/h				
FER367	6-25	0,003-1	0,18-250	2"	¾"	2.5/3.5	830,00
FER368	15-50	0,01-0,5	1,5-250	3"	1"	TF5	705,00

ELECTRIC CONTROL FOR HYDRAULIC TEFEN PUMPS



APPLICATION

- Management of MixRite pumps using automation systems

FEATURES

- Control actuator to be installed on the cover of MixRite models
- 24 V AC or 12 V DC Latch control

SPECIFICS

- Solenoid 24V 50Hz AC
- Solenoid 12-40V DC Latch
- Pump cover with actuator compatible with all MixRite models

Code	Description	Power supply	MixRite Model	€
FERC1022	Controllo elettrico	24V AC	2.5/3.5	510,70
FERC1023	3 Controllo elettrico	24V DC	2.5/3.5	510,70

ELECTRICAL DOSING PUMPS

Discount category D

DOSITEC PUMPS






APPLICATION

- Injection of fertilizers by means of an electromagnetic system

FEATURES

- Flow:
 - 0 ÷ 2,5 l/h
 - 0 ÷ 6 l/h
 - 0 ÷ 9 l/h
- Maximum pressure: 10 bar
- Power supply:
 - 230V 50 Hz IP-65

	Code	Mod.	Adjustment	Injection l/h	Pressure	Cycles x min	MI x cycle	Membrane stroke	Absorb. Watt	Weight	€
	FERD004	Dositec MP	Manual adjustment of potentiometer	2,5	10	120	0,35	0,8	37	3	409,70
	FERD005	Dositec MP	Manual adjustment of potentiometer	6	7	120	0,83	1	37	3	418,70
	FERD006	Dositec MP	Manual adjustment of potentiometer	9	8	120	1,25	1,4	58	3,8	515,80
	FERD001	Dositec mA	Analogue regulation 4:20 mA	2,5	10	120	0,35	0,8	37	3	707,20
	FERD002	Dositec mA	Analogue regulation 4:20 mA	6	7	120	0,83	1	37	3	762,50
	FERD003	Dositec mA	Analogue regulation 4:20 mA	9	8	120	1,25	1,4	58	3,8	838,80
	FERD013	Dositec MF	Manual - Proportional - 4:20 mA - Timer	2,5	10	120	0,35	0,8	37	3	864,20
	FERD014	Dositec MF	Manual - Proportional - 4:20 mA - Timer	6	7	120	0,83	1	37	3	933,00
	FERD015	Dositec MF	Manual - Proportional - 4:20 mA - Timer	9	8	120	1,25	1,4	58	3,8	1025,70

STEPPER DOSMART AC PUMPS



APPLICATION

- Water treatment
- Industrial processes
- Chemical industry
- Pulp & paper
- Agriculture

OPERATING MODES

- Control analógico (0/4-20mA)
- Control proporcional por pulsos
- Dosificación por lotes
- Control manual del caudal

TECHNICAL FEATURES

- Power supply: 250 VAC (50 Hz) / 24 VDC
- Power: 32W
- Membrane: PTFE
- Dimensions mm: 267 (height), 172 (width), 296 (depth)

ADVANCED DOSING FEATURES

- Remote activation (on/off)
- Test function
- Flow calibration
- Low Pulsation discharge function for a continuous flow (LP)
- Slow Suction function for high viscosity products (SS)
- Turndown ratio 1:3000
- High suction capacity
- Invariable flow, no pressure influence

ADDITIONAL SAFETY DEVICES

- Level sensor
- Diaphragm leakage detector
- Pressure sensor
- Flow failure detector
- Temperature sensor

INPUTS/OUTPUTS AND COMMUNICATIONS

- Analogue input 0/4-20mA
- External pulse input
- Remote on/off input
- Level sensor input (pre-empty)
- Level sensor input (empty)
- Leakage detector input
- Flow detector input
- Pressure sensor input
- Serial port RS-485 ModBus
- 4-20mA output for registering and monitoring
- Pulse output for registering, monitoring and 2nd pump control
- Alarm output (relay)
- Level alarm output (relay)



Code	Model	l/h _{max}	P _{max} - bar	Stroke mm	Strokes/min.	€
FERD070	S50-D50	1,5	16	2	50	2.605,20
FERD071	F50-D50	4	12	2	95	2.605,20
FERD072	F30-D50	8	8	2	150	2.605,20
FERD073	F51-D50	13	7	4,5	91	2.605,20
FERD074	F31-D50	25	5	4,5	162	2.605,20
FERD075	F41-D69	40	3	4,5	113	2.605,20
FERD076	F31-D69	60	2	4,5	166	2.605,20

ELECTRICAL DOSING PUMPS

Discount category D



PISTON DOSTEC AC WITH INVERTER

APPLICATION

- Fertilizers injection by inverter electro-mechanical system
- High-performing injection both in flow-rate and in pressure

FEATURES

- Injection by piloting (electronic card)
- Settable and/or usable parameter for injection: analog control (4/20 mA) - proportional-continuous control-modBus
- Self-supporting injection system with support and fixing
- Injection by PTFE membrane
- Oil level

SPECIFICS

- ENGINE**
- Single-phase 230V 50Hz
 - Power 0,37Kw (0,5Hp)
 - IP-55 protection
 - Weight: ca 10 Kg

MATERIALS

- HEAD**
- PEUAPM piston (ultra-high molecular weight polyethylene)
 - Retention FPM
 - Other materials for particular solution injection on request
- VALVES**
- PP body
 - Glass ball
 - FPM o-ring

Code	Model	Coupling Ø	P _{max} bar	l/h _{max}	€
FER700	73-AC3P44-P110PPX	1"¼	5,5	1.200	4.504,50
FER701	73-AC3P44-P95PPX	1"¼	7,5	900	4.273,30
FER702	73-AC3P44-P77PPX	1"¼	11,0	600	4.094,50
FER703	73-AC2P44-P61PPM	¾"	7,0	360	3.323,70
FER704	73-AC2P44-P49PPM	¾"	11,0	240	3.202,80
FER705	73-AC2P44-P34PPM	¾"	15,0	120	3.085,40

MEMBRANE DOSTEC AC WITH INVERTER



APPLICATION

- Fertilizers injection by inverter electro-mechanical system
- High-performing injection both in flow-rate and in pressure

FEATURES

- Injection by piloting (electronic card)
- Settable and/or usable parameter for injection: analog control (4/20 mA) - proportional-continuous control-modBus
- Self-supporting injection system with support and fixing
- Injection by PTFE membrane
- Oil level

SPECIFICS

- ENGINE**
- Single-phase 230V 50Hz
 - Power 0,37Kw (0,5Hp)
 - IP-55 protection
 - Weight: ca 10 Kg

MATERIALS

- HEAD**
- PTFE membrane
 - PP base
 - PP cylinder
 - Other materials for particular solution injection on request
- VALVES**
- PP body
 - Glass ball
 - FPM o-ring

Code	Model	Coupling Ø	P _{max} bar	l/h _{max}	€
FER706	73-AC3D44-D163PBX	1"¼	5,0	1.044	4.727,00
FER708	73-AC3D43-D142PBX	1"¼	10,0	498	4.255,70
FER709	73-AC3D33-D142PBX	1"¼	10,0	249	4.180,40
FER710	73-AC2D42-D95PBM	¾"	8,0	144	3.250,10

ELECTRICAL DOSING PUMPS

Discount category D



PISTON DOSTEC

APPLICATION

- Fertilizers injection by electro-mechanical system
- High-performing injection both in flow-rate and in pressure

FEATURES

- Self-supporting injection system with support and fixing
- Adjustable dosage
- Oil level
- Injection by ceramic or high-density polyethylene piston

SPECIFICS

- ENGINE**
- Three-phase: 400 V 50 Hz
 - Single-phase: 230 V 50 Hz
 - Power: 0,37 Kw/0,5 Hp (0,75 Kw/1Hp Dostec 50)
 - Protection: IP 55
 - Weight 10 kg ca (20 kg ca Dostec 50)

MATERIALS

- HEAD**
- PEUAPM piston (ultra-high molecular weight polyethylene)
 - Ritention FPM
 - Other materials for particular solution injection on request
 - Cylinder: PP
- VALVES**
- PP body
 - Glass ball
 - FPM o-ring

Code	Type	Engine	P _{max} - bar	I/h _{max}	€
FER047	Dostec 40	12V 130W	3,5	200	1.084,60
FER043	Dostec 40	12V 300W	10,0	200	1.084,60
FER044	Dostec 40	12V 300W	6,0	300	1.107,90
FER045	Dostec 40	12V 300W	4,5	500	1.318,90
FER056	Dostec 40	Single-phase	15,0	25	996,80
FER057	Dostec 40	Single-phase	15,0	50	996,80
FER058	Dostec 40	Single-phase	15,0	100	996,80
FER059	Dostec 40	Single-phase	11,0	200	1.018,00
FER060	Dostec 40	Single-phase	7,0	300	1.053,00
FER061	Dostec 40	Single-phase	4,5	500	1.221,00
FER050	Dostec 40	Three-phase	15,0	25	859,70
FER051	Dostec 40	Three-phase	15,0	50	859,70
FER052	Dostec 40	Three-phase	15,0	100	859,70
FER053	Dostec 40	Three-phase	11,0	200	881,20
FER054	Dostec 40	Three-phase	7,0	300	902,70
FER055	Dostec 40	Three-phase	4,5	500	1.117,60
FER062	Dostec 50	Three-phase	11,0	500	1.676,40
FER063	Dostec 50	Three-phase	7,5	750	1.826,80
FER064	Dostec 50	Three-phase	5,5	1.000	2.127,70

MEMBRANE DOSTEC



APPLICATION

- Fertilizers injection by electro-mechanical system
- High-performing injection both in flow-rate and in pressure

FEATURES

- Self-supporting injection system with support and fixing
- Injection by PTFE membrane
- Adjustable dosage
- Oil level

SPECIFICS

- ENGINE**
- Three-phase 400V 50Hz
 - Single-phase 230V 50Hz
 - Power: 0,37Kw/0,5Hp
 - IP-55 protection
 - Weight 10 kg ca

MATERIALS



- HEAD**
- PTFE membrane
 - PP base
 - PP cylinder
 - Other materials for particular solution injection on request
 - VALVES
 - PP body
 - Glass ball
 - FPM o-ring

Code	Type	Engine	P _{max} - bar	I/h _{max}	€
FER647	Dostec 40	12V 130W	15,0	25	1.203,00
FER648	Dostec 40	12V 130W	15,0	50	1.271,00
FER649	Dostec 40	12V 130W	10,0	100	1.378,00
FER650	Dostec 40	12V 130W	5,0	200	1.512,00
FER651	Dostec 40	12V 300W	8,0	200	1.753,00
FER652	Dostec 40	12V 300W	5,0	300	1.776,00
FER632	Dostec 40	Single-phase	15,0	25	1.293,00
FER633	Dostec 40	Single-phase	15,0	50	1.383,00
FER634	Dostec 40	Single-phase	10,0	100	1.200,00
FER636	Dostec 40	Single-phase	8,0	200	1.709,00
FER637	Dostec 40	Single-phase	5,0	300	1.943,00
FER640	Dostec 40	Three-phase	10,0	100	988,70
FER642	Dostec 40	Three-phase	8,0	200	1.392,30
FER643	Dostec 40	Three-phase	5,0	300	1.459,60


INJECTORS ACCESSORIES

Discount category D


VALVES

Code	Description	€
 FERC007	¾" 6 x 12 anti-siphon valve	97,00
 FERC009	¾" priming valve	55,00


FOOT VALVES

Code	Description	€
 FVF051	Ø ¾" plastic foot valve with filter	13,50
FVF052	Ø 1" plastic foot valve with filter	15,90

GSM

Code	Description	€
 FER717	Communication hub for Dostec AC, Dositec, Water Controller 3000 LAN connection - Wi-Fi	1.101,30

INJECTION VALVES

Code	Ø	Material	l/h	€
 FERC047	¾"	Polypropylene	500	37,10
FERC048	¾"	PVDF	500	177,00
FERC049	1"¼	Polypropylene	1.200	150,00
FERC045	1"¼	PVDF	1.200	603,90

DUMPERS

PP - FPM BODY

Code	Flow-rate l/h	F coupling Ø	€
FERC032	50	3/8"	880,50
FERC033	100	½"	925,90
FERC034	300	¾"	1.178,80
FERC011	500	¾"	1.548,60
FERC044	2.000	¾"	2.326,50



STAINLESS STEEL - FPM BODY

Code	Flow-rate l/h	F coupling Ø	€
FERC036	50	3/8"	1.479,40
FERC037	100	½"	1.539,10
FERC038	300	¾"	2.107,00
FERC039	500	¾"	2.183,30
FERC040	2.000	¾"	2.798,90

DOSTEC 40 STANDARD NON-RETURN VALVE

PP - FPM BODY

Code	Description	€
 FERC775	Complete inlet valve x MF ¾"	25,00
FERC770	Suction valve x MF ¾"	25,00

ELECTRICAL TURBINE AGITATORS

APPLICATION

- Centrifugal turbine agitator with direct shaft for open and closed tanks

FEATURES

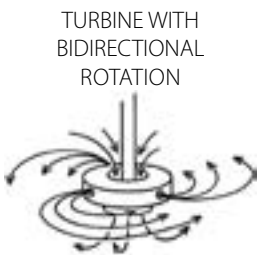
- 6 holes turbine for axial and radial simultaneous mixing
- Demountable turbine with no cutting or dangerous parts
- Vertical and oblique applications
- Turbine axis with different lengths depending on the model

SPECIFICS

- Engine power supply: 380/220 50 Hz AC or 12 V DC
- Clamp or flange fixing
- Perfectly balanced for heavy and extended working
- Exclusively functioning with liquid in the tank

MATERIALS

- Agitator shaft: stainless steel
- Turbine: polypropylene



Code	Cou.	Liquid m ³ _{max}	Shaft mm	Supply	Power W	€
FER176	Flange	0,6	1.100	12V DC	130	961,00
FER172	Flange	1,8	1.300	12V DC*	300	1.029,70
FER173	Flange	1,5	1.000	12V DC*	300	987,30
FER175	Flange	0,6	1.100	Single-phase	185	587,00
FER170	Flange	3,0	1.300	Single-phase	370	1.001,00
FER171	Flange	2,3	1.000	Single-phase	370	906,70
FER167	Flange	10,0	1.500	Single-phase	750	1.390,50
FER174	Flange	0,6	1.100	Three-phase	185	488,00
FER168	Flange	3,0	1.300	Three-phase	370	720,80
FER169	Flange	2,3	1.000	Three-phase	370	674,60
FER160	Flange	7,0	2.000	Three-phase	500	1.502,60
FER161	Flange	6,0	1.800	Three-phase	500	1.502,60
FER166	Flange	10,0	1.500	Three-phase	750	963,60
FER183	Clamp	1,8	1.300	12V DC*	300	1.266,70
FER184	Clamp	1,5	1.000	12V DC*	300	1.224,30
FER181	Clamp	3,0	1.300	Single-phase	370	1.204,10
FER182	Clamp	2,3	1.000	Single-phase	370	1.316,80
FER178	Clamp	10,0	1.500	Single-phase	750	1.473,10
FER179	Clamp	3,0	1.300	Three-phase	370	957,80
FER180	Clamp	2,3	1.000	Three-phase	370	911,50
FER177	Clamp	10,0	1.500	Three-phase	750	1.200,50

*On request

ELECTRIC BOARDS FOR AGITATORS



APPLICATION

- Electric board for turbine agitator activation (230V AC or 400 V AC)

FEATURES

- Manual/automatic/standstill functioning
- Single or double unit command
- IP 55 protection
- Network led, engine on, level alarm, engine in protection
- Adjustable amperometric protection
- Protection fuse (24V AC relay included - float inputs, on/off selector, multifunction timer)

Code	Supply	N. agitators	€
EQE546	Single-phase	1	520,70
EQE547	Three-phase	1	613,00
EQE548	Single-phase	2	795,70
EQE549	Three-phase	2	1.085,90

INJECTION AND MIXING KIT

Discount category D

FERTIGATION KIT



APPLICATION

- Autonomous fertigation unit

FEATURES

- Injection system complete with piston pump Dostec 40, turbine agitator and interface electrical board
- Manual or remote control start
- Dry running control
- Mesh filter for fertilizer suction

SPECIFICS

- Power supply 400 V AC, 230 V AC, 12 V DC
- Tank draining valve on request

MATERIALS

- Tank: polypropylene
- Support plate: stainless steel

Code	Power supply	Injection l/h	P _{max} bar	Tank capacity l	€
FERK126	12V DC	200	10	300	2.485,00
FERK120	12V DC	100	15	1.000	5.362,00
FERK125	12V DC	200	10	1.000	5.230,00
FERK122	12V DC	300	6	1.000	5.106,10
FERK121	12V DC	500	4,5	1.000	5.289,30
FERK104	Single-phase	100	15	300	3.118,90
FERK105	Single-phase	200	11	300	3.135,10
FERK106	Single-phase	300	7	300	3.151,40
FERK110	Single-phase	100	15	500	3.406,10
FERK111	Single-phase	200	11	500	3.422,30
FERK112	Single-phase	300	7	500	3.438,50
FERK054	Single-phase	200	11	1.000	2.895,00
FERK100	Single-phase	300	7	1.000	3.890,80
FERK102	Single-phase	500	4,5	1.000	4.042,30
FERK107	Three-phase	100	15	300	2.928,00
FERK108	Three-phase	200	11	300	2.947,00
FERK109	Three-phase	300	7	300	3.249,00
FERK113	Three-phase	100	15	500	3.147,20
FERK114	Three-phase	200	11	500	3.092,00
FERK115	Three-phase	300	7	500	3.448,00
FERK098	Three-phase	200	11	1.000	3.577,00
FERK101	Three-phase	300	7	1.000	3.860,60
FERK103	Three-phase	500	4,5	1.000	3.915,90
FERK005	Three-phase	750	7	2.000	4.380,00
FERK002*	Three-phase	822	6	3.000	5.425,00
FERK006	Three-phase	500	11	3.000	4.960,00

*Pompa a membrana

INJECTION AND MIXING KIT

Discount category D

MIXING KIT



APPLICATION

- Autonomous mixing unit

FEATURES

- System complete with turbine agitator, and interface electric board
 - Manual or remote control start
 - Dry running control

SPECIFICS

- Power supply 400 V AC, 230 V AC, 12 V DC
 - Tank draining valve on request

MATERIALS

- Tank: polypropylene
 - Support plate: stainless steel

Code	Power supply	Tank capacity l	€
FERK010	Single-phase	300	2.126,00
FERK012	Single-phase	500	2.271,00
FERK014	Single-phase	1.000	2.681,00
FERK011	Three-phase	300	2.042,00
FERK013	Three-phase	500	2.162,00
FERK015	Three-phase	1.000	2.597,00

ACIDIFICATION KIT



APPLICATION

- Autonomous acidification unit

FEATURES

- System complete with membrane pump and interface electric board
 - Manual or remote control start
 - Dry running control

SPECIFICS

- Power supply 230 V AC
 - Tank draining valve on request
- pH probe + housing

MATERIALS

- Tank: polypropylene

Code	Power supply	Injection l/h	Tank capacity l	€
OKTS106	Single-phase	8	300	1.957,00
OKTS107	Single-phase	20	300	2.367,00
OKTS114	Single-phase	8	500	2.126,00
OKTS115	Single-phase	20	500	2.525,00
OKTS116	Single-phase	8	1.000	2.440,00
OKTS117	Single-phase	20	1.000	2.850,00



AUTOMATION

BACKWASH MANAGEMENT



Discount category D

FT1 BT PROGRAMMER



APPLICATION

- Management of automatic filter batteries

SPECIFICS

- Control by differential pressure switch
- Control by time interval
- Power supply: 4 x 1.5V Type C batteries
- Bluetooth communication with smartphone
- Hardware features
- 2 x 12V DC latch outputs
- Integrated differential pressure switch
- External differential pressure switch input for outdoor positioning

MATERIAL

- Box: ABS

Code	Integrated DP	Outputs nr	Power supply out	€
AAC415	yes	2	12V Latch	537,00

FILTRON PROGRAMMER



APPLICATION

- Management of automatic filter batteries

SPECIFICS

- Control of the cleaning cycle using a differential and/or timed pressure switch
- Management of filter washing time and pause between consecutive filters
- Unit power supply: 6 V battery (4 x 1.5 Mod. D)

HARDWARE FEATURES

- Outputs: 2/4 12V expandable latch control
- Expandable up to 10 outputs
- Configurable output for master valve
- Integrated differential pressure switch
- Inputs: external differential pressure switch
- External box

MATERIALS

- Box: ABS

Code	Integrated DP	Outputs nr	Power supply out	€
AAC097	yes	2	12V Latch	634,00
AAC595	yes	4	12V Latch	697,00
AAC099	yes	2	24V AC	696,00
AAC100	yes	4	24V AC	760,00
AAC524	yes	6	24V AC	820,00

ACCESSORIES

Code	Description	€
AAC596	Expansion 2 outputs DC latch	63,50
AAC599	Expansion 2 outputs 24V AC	63,50

Control units up to 18 stations available on request

WTRTEC GREEN MODEL



APPLICATION

- Multiparametric controller for online fertilizer dosing and pH regulation

SPECIFICS

- Fertilizer dosing with PIQ Proportional regulation of electrical conductivity
- Flow monitoring and proportional dosing
- Online pH control with PIQ flow regulation
- Large, highly visible liquid crystal display
- Waterproof soft touch keyboard

HARDWARE FEATURES

- Power: 14.4V DC
- Working temperature 0 – 45 °C
- mA digital type control / recording outputs: 2 configurable
- Relay control outputs: 2 configurable
- Alarm relay outputs: 3 configurable
- Degree of protection: IP 65

Code	Mod.	Input					Output							€	
		pH	Flow	EC	C°	Flow sensor	pH dos.	Proport. dosage	PIQ pH contr.	PIQ EC contr.	pH ala.	Port. ala.	EC ala.		
FER157	Verde	x	x	x	x	x	x	x	x	x	x	x	x	x	2,512,70

CONTROLLER 3000 AND WATER CONTROLLER 3000



APPLICATION

- Irrigation and fertigation control unit
- Fruit farming and vineyards, tunnels and greenhouses

SPECIFICS

- Controller 3000: 6-channel 4-20 mA fertigation management
- Water controller 3000: like the 3000 controller + management of up to 96 outputs
- Backlit LCD display
- Waterproof soft-touch keyboard, alphanumeric and with specific menu keys
- Language: italian (others on request)
- Box version for free installation

HARDWARE FEATURES

- Expandable outputs: 24 base - 48/72/96
- Digital inputs: 4
- Analog inputs: 2
- 220/24 V AC transformer included
- Command output: 24 V 50Hz
- Box dimensions: 300 x 260 x 160 mm
- Box protection: IP 55

SOFTWARE FEATURES

- 50 programmes
- 15 daily starts
- Filters management (6 max)
- Pumps management (4 max)
- Fertilizers management (6 max)
- 48 fertilizers can be set
- pH/EC control
- high/low-frequency water meter

MATERIALS

- Free box installation: PC/ABS
- Front panel: aluminium
- Box support: stainless steel

Code	Description	Control	€
FER150	Controller 3000-2	Fertigation	3.385,30
FER156	Controller 3000-2/12	Fertigation	5.194,90
FER159	Controller WC3000 base	Irrigation and fertigation	6.529,00
FER158	Expansion box 24 outputs		1.615,80

Discount category D

CONVERTER AGDI



APPLICATION

- Conversion of conventional systems into single-cable systems

SPECIFICS

- Internal programming keys
- Status and operation LEDs
- 2-wire decoder 24V AC
- Unit power supply: from 24 V AC
- Number of stations: 24
- Max number of simultaneous active stations: 3
- Use only decoder OAC223
- Cable length: 1.800 m with section 1,5 mm²

Code	Description	€
OPG770	AGDI interface 24 sectors	873,70

CONVERTER 3000 D



APPLICATION

- Conversion of conventional systems into single-cable systems

SPECIFICS

- LCD display
- Soft touch keys
- 2-wire 24 V AC decoder
- Unit power supply: 230-24 V AC transformer
- Number of stations: 48, expansion to 96 sectors
- Max number of simultaneous active stations: 10
- 1 master valve
- 2 high frequency counters
- Integrated lightning protection
- 4 output powers to the decoder
- Use only decoder OAC223
- Cable length: 1.800 m with section 1,5 mm²

Code	Description	Outputs nr	€
OPG771	3000 D converter (command board only)	48	1.568,70
OPG785	3000 D converter with IP65 wired panel, interface and power supply	48	2.700,00
OPG772	3000 D converter expansion from 48 to 96	48	1.052,40

DECODER



APPLICATION

- CrySberg decoder modules

SPECIFICS

- Compatible with CrySberg models
AGDI converter
Converter 3000 D
Ranger 4000 Control unit supply:
24 V AC
- Unit power supply: max 33 V AC/min 21 V AC
- Consumption: 0,5 mA/25 mA
- Max solenoid/decoder distance: 100 m
- Output power: adjustable from central unit
- Programmable by converter unit
- Protection: Waterproof IP67

Code	Description	€
OAC223	Decoder Ranger 4000 D 1 output	121,00

AGRONIC 2500

30	50	4	4	2	9	20	40	10	PC - APP Web	AgroBee



APPLICATION

- Irrigation and fertigation control unit
- Applications in open field, fruit farming and vineyards, tunnel and greenhouses

SPECIFICS

- LCD display - 128 x 64, backlit
- Waterproof soft-touch keyboard, alphanumeric and specific menu keys
- Language: Italian (others on request)
- Box version for free installation
- Built-in version for installation in electric panel

HARDWARE FEATURES

- Outputs: 9 - 18 - 27
- Digital inputs: 6
- Analog inputs: 2 + 4 (optional)
- SDI12 protocol inputs: 8 (optional)
- 220/24 V AC transformer included in the specific model
- Free installation box dimensions: 220 x 190 x 110

MATERIALS

- Free installation box: PC/ABS
- Front panel: aluminium
- Box support: stainless steel

No. of outputs	Model	Including	Box		Built-in	
			Code	€	Code	€
9	Agronic 2509 220/24 AC	Transformer 220/12 V 2 VA + 220/24 V 50 VA	OPG2500	1.352,00	OPG2503	1.462,70
9	Agronic 2509 12 V DC		OPG2506	1.213,70	OPG2509	1.324,30
9	Agronic 2509 Latch 2 Wires	Charge Limiter 12 V 120 W	OPG2512	1.324,30	OPG2515	1.435,00
9	Agronic 2509 Latch 3 Wires	Charge Limiter 12 V 120 W + Box 01001	OPG2518	1.462,70	OPG2521	1.573,30
9	Agronic 2509 12 V DC double voltage	Transformer 220/24 V 2 A + Diesel option	OPG2524	1.370,40	OPG2527	1.481,10
9	Agronic 2509 12 V DC with battery charger	12 V battery charger	OPG2530	1.324,30	OPG2533	1.435,00
18	Agronic 2518 220/24 AC	Transformer 220/12 V 2 VA + 220/24 V 50 VA	OPG2501	1.508,80	OPG2504	1.704,23
18	Agronic 2518 12 V DC		OPG2507	1.370,40	OPG2510	1.547,45
18	Agronic 2518 Latch 2 Wires	Charge Limiter 12 V 120 W	OPG2513	1.481,10	OPG2516	1.658,12
18	Agronic 2518 Latch 3 Wires	Charge Limiter 12 V 120 W + Box 01001	OPG2519	1.647,10	OPG2522	1.842,56
18	Agronic 2518 12 V DC double voltage	Transformer 220/24 V 2 A + Diesel option	OPG2525	1.527,20	OPG2528	1.704,23
18	Agronic 2518 12 V DC with battery charger	12 V battery charger	OPG2531	1.481,10	OPG2534	1.658,12
27	Agronic 2527 220/24 AC	Transformer 220/12 V 2 VA + 220/24 V 50 VA	OPG2502	1.886,90	OPG2505	1.969,90
27	Agronic 2527 12 V DC		OPG2508	1.748,50	OPG2511	1.831,50
27	Agronic 2527 Latch 2 Wires	Charge Limiter 12 V 120 W	OPG2514	1.859,20	OPG2517	1.942,20
27	Agronic 2527 Latch 3 Wires	Charge Limiter 12 V 120 W + Box 01001	OPG2520	2.052,90	OPG2523	2.135,90
27	Agronic 2527 12 V DC double voltage	Transformer 220/24 V 2 A + Diesel option	OPG2526	1.905,30	OPG2529	1.988,30
27	Agronic 2527 12 V DC with battery charger	12 V battery charger	OPG2532	1.859,20	OPG2535	1.942,20

Discount category D

AGRONIC 2500 OPTIONS

Option	Description	Note	Code	€
Plus	Agronic 2500 plus option	For management of analogue sensors, conditioners, ec/ph reading, data logging, uniform fertility injection, pivot and Agrobee system - Code activation	FER2501	277,00

REMOTE MANAGEMENT AND COMMUNICATION

Option	Description	Note	Code	€
GPRS	GPRS communication - SMS messages	Includes GPRS modem not compatible with Wi-Fi option	FER2503	686,88
Wi-Fi	Wi-Fi communication	Connecting the Agronic 2500 to a Wi-Fi router - Max distance 50 m not compatible with GPRS option	FER2017	877,68
Radiolink	433 mhz radio communication	Connection of the Agronic 2500 via 433 mhz radio system to a PC - Max distance 2.5 km	FER2505	772,74

CONTROL OF EXTERNAL MODULES

Option	Description	Note	Code	€
Zigbee	Agrobee 868/915 mhz interface for Agronic 2500	For managing the Agrobee radio system - 800 m + 800 m repeater - includes coordinator, omnidirectional antenna with 10 m cable	FER2507	753,66
LoRa	Agrobee 868/915/433 mhz interface for Agronic 2500	For managing the Agrobee radio system - 2500 m direct visibility - includes coordinator, omnidirectional antenna with 10 m cable	FER2520	704,05

SENSOR CONTROL

Option	Description	Note	Code	€
2 analog inputs	Analogue inputs option	Board for 2 analogue inputs - requires Plus version installed	FER2508	391,14
SDI 12	SDI option 12 + 4 analogue inputs	Module for 8 sensors on SDI 12 protocol + 4 analogue sensors 4-20 ma	FER2516	543,78
RS485 ModBus	Serial port for RS485 ModBus gateway	Option to connect Davis Vantage Pro weather station - Requires SDI12 option installed - Compatible with Agrobee LoRa	FER2515	66,78

POWER SUPPLY

Option	Description	Note	Code	€
220/12 DC	External 220V AC / 12V DC transformer	For 12V DC power supply - Socket model P17/11	FER2512	95,40
220/24 AC	AC 220V / AC 24V external transformer	For 24V AC power supply - 50VA - Socket model P17/11	FERC974	95,40
220/24 AC	AC 220V / AC 24V external transformer panel	For 24V AC power supply - 100VA	EQEA024	249,00

CONFIGURATOR

Option	Description	Code	€
Agrobee	Unit for configuration and verification (reading) of individual field units	FER458	772,74

SOFTWARE CONNECTION

Description	Note	Code	€
Web platform licence (Agronic App + Agronic Web)	Request GPRS or Wi-Fi option - Activation by code	FER194	153,00
PC programme licence (includes Agronic PC + Agronic App + Agronic Web)	Connection of up to 3 PCs with Wi-Fi and GPRS	FER2502	343,50

AGRONIC 4000

99	35 x 12	8	8	4	4 x ∞	48	40 (14)	12	PC - APP Web	Radio single cable



MODELS CHART

Model	Power supply	Solenoid type output tension
220/24 AC	220 V 50 Hz AC	24 V AC
12 V DC	12 V DC	12 V DC
Latch 2*	220 V 50 Hz AC	Bistable 12 V DC 2 wires

*On demand

APPLICATION

- Irrigation e fertigation control unit and vineyards, tunnels and greenhouses
- Applications in open fields, fruit farming • EC management, pH reading

SPECIFICS

- LCD display - 2 lines x 40 characters - backlit
- Waterproof soft-touch keyboard, alphanumeric 23 keys
- Language: italian (others on request)
- Box version for free installation

HARDWARE FEATURES

- Outputs: 16/24/32/48/64/80/96
- Digital inputs: 12 (expandable)
- Analog inputs: 40 (12 in the base box) not included
- 220/24 V AC transformer not included in the specific model
- Free installation box dimensions: 295 x 250 x 130

MATERIALS

- Free installation box: PC/ABS
- Box support: stainless steel
- Front panel: aluminium

Outputs nr	Model	Including	Box	
			Code	€
16	Agronic 4016 220/24 AC	Transformer not included	OPG1154	2.539,80
16	Agronic 4016 12 V DC	Transformer not included	OPG1153	2.484,50
24	Agronic 4024 220/24 AC	Transformer not included	OPG1100	2.746,40
24	Agronic 4024 12 V DC	Transformer not included	OPG1155	2.691,00
32	Agronic 4032 220/24 AC	Transformer not included	OPG1102	2.952,90
32	Agronic 4032 12 V DC	Transformer not included	OPG1101	2.897,60
48	Agronic 4048 220/24 AC	Transformer not included	OPG1106	3.847,50
48	Agronic 4048 12 V DC	Transformer not included	OPG1105	3.792,10
64	Agronic 4064 220/24 AC	Transformer not included	OPG1110	4.253,20
64	Agronic 4064 12 V DC	Transformer not included	OPG1109	4.197,90
80	Agronic 4080 220/24 AC	Transformer not included	OPG1114	4.673,80
80	Agronic 4080 12 V DC	Transformer not included	OPG1113	4.618,40
96	Agronic 4096 220/24 AC	Transformer not included	OPG1118	5.086,90
96	Agronic 4096 12 V DC	Transformer not included	OPG1117	5.031,60

Discount category D

AGRONIC 4000 OPTIONS

Option	Description	Note	Code	€
Conditioners	Programme conditioning option	For the integration of sensors with irrigation programmes	FER507	229,00
Dual voltage	Dual voltage option	For the management of system supply sets. 12 V control - 24 V AC control	FER961	95,40
Pressure regulation	Option for pressure control by external inverter with 4/20 mA control	Analogue In/Out and pressure sensor option required Code activation	FER973	168,00
RS232 expansion	RS232 port expansion		FER522	810,90
RS485 expansion	RS485 port expansion		FER964	810,90

REMOTE MANAGEMENT AND COMMUNICATION

Option	Description	Note	Cod,	€
GPRS	GPRS / SMS modem communication	Includes GPRS modem + quad band 3dBi antenna + 3 m cable + Movistar M2M SIM card - Not compatible with Wi-Fi option	FER310	725,10
RS232	RS232 communication	RS232 interface port with Agronic Monocable, Agronic Radio and Agronic PC, via cable (100 m) or GSM modem	FER503	272,90
USB	USB communication	Connection via Agronic/PC USB cable - Max distance 15 m	FER514	400,68

CONTROL OF EXTERNAL MODULES

Option	Description	Note	Code	€
RS485	RS485 communication	RS485 interface port with Agronic Monocable, Agronic Radio and Agronic PC, via cable (100 m)	FER504	181,30
Radio	Agronic Radio external module connection option	Agronic Radio system connection - requires an RS485 port Code activation	FER525	343,50
Monocable	EAM module connection option	Agronic Monocable system connection - requires an RS485 port - Code activation	FER967	229,00

SENSOR CONTROL

Option	Description	Note	Code	€
Analogue In/Out	Analogue in/out PRINCIPAL card - 6 in (5 x 4/20 mA + 1 x 0/20V) - 5 out	First installation	FER521	782,30
Analogue In/Out	Analogue in/out PRINCIPAL card - 6 in (5 x 4/20 mA + 1 x 0/20V) - 5 out	Field upgrade	FER528	782,30
Analogue In/Out	Analogue in/out add-on card - 6 in (5 x 4/20 mA + 1 x 0/20V) - 5 out	First installation	FER527	810,90
Analogue In/Out	Analogue in/out add-in card - 6 in (5 x 4/20 mA + 1 x 0/20V) - 5 out	Field upgrade	FER529	810,90
pH control - EC reading	pH/EC probe management option	Allows control of probes. Analogue In/Out board, probe transmitter and probes required - Code activation	FER501	153,00
RS485 ModBus	Serial port for RS485 ModBus gateway	Option to connect Davis Vantage Pro weather station - SDI12 option installed required - Compatible with Agrobbee LoRa	FER2515	66,78

POWER SUPPLY

Option	Description	Note	Code	€
220/12 DC	External 220V AC / 12V DC transformer	For 12V DC power supply - Socket model P17/11	FER2512	95,40
220/24 AC	AC 220V / AC 24V external transformer	For 24V AC power supply - 50 VA - Socket model P17/11	FERC974	95,40
220/24 AC	AC 220V / AC 24V external transformer panel	For 24V AC power supply - 100 VA	EQA024	249,00

CONFIGURATOR

Option	Description	Code	€
Radio - Single cable	Unit for configuration and verification (reading) of individual field units	FER458	772,74

SOFTWARE CONNECTION

Description	Note	Code	€
Web platform licence (Agronic App + Agronic Web)	Request GPRS or Wi-Fi option - Activation by code	FER194	153,00
PC programme licence (includes Agronic PC + Agronic App + Agronic Web)	Connection of up to 3 PCs with Wi-Fi and GPRS	FER2502	343,50

AGRONIC 4500

4 heads	400 sectors	99 progra.	8 fertiliser. x head	6 motors x head	3 filter grup. x head	120 condit.	400 sensors count/det.	120 sensors analogue.	80 sensors cont.gen.	80 sensors digital	4 pivot	8 atomisation.	20 drains	modules various	irrigat. solar



Box

Built-in

APPLICATION

- Irrigation and fertigation control unit
- For open field applications and high-tech greenhouses
- EC and pH management
- Pivot systems management

SYSTEM SPECIFICATIONS

- Management of up to 4 distinct irrigation systems defined as "HEADS"
- For each HEAD:
 - 6 pumps or master valves
 - 3 independent filter groups
 - 8 fertilizer dosing channels with EC management
 - 2 dosing channels for acid with pH management
- 2 channels for phytosanitary treatments
- Water mixing and tank control
- From 1 to 400 manageable irrigation sectors
- Water meters
- Energy meters

MANAGEMENT SPECIFICATIONS

- Management by groups: 40 configurable
- Sectors for each group: 20
- Irrigation programs: 20 basic – 99 plus
- Subprograms: 12 basic – 20 plus
- Number of valves active at the same time: 40
- Conditioned by program: 6
- Total conditioners: 120
- Configurable departures: 6
- Drainage control
- Manageable drains: 20 (total)
- Analog inputs: 120 total
- Digital inputs: 80 total
- Counter inputs: 80
- Logic inputs: 20

HARDWARE FEATURES

- Local outputs 24 V AC box or built-in: 24 / 40 / 56 / 72 / 88 / 104
- Local 24 V outputs for nebulization: 8
- Analog inputs in box: 12 pre-installed – + 12 Option
- Digital inputs in box: 12 + 12 Option
- Agrobée Lora management: 2 coordinators (2 x 20 field units)
- Single cable management: 2 EAM modules (2 x 120 MAM modules)
- Radio management: 2 EAR modules (2 x 60 MAR modules)
- External MODBUS: 32
- Expansion modules: 50

Outputs nr	Model	Power supply	Installation			
			Box*		Built-in*	
			Code	€	Code	€
24	Agronic 4500-24 220 V AC	220 V AC	OPG1127	3.034,10	OPG1120	3.218,50
40	Agronic 4500-40 220 V AC	220 V AC	OPG1128	3.495,20	OPG1121	3.661,20
56	Agronic 4500-56 220 V AC	220 V AC	OPG1129	4.417,40	OPG1122	4.232,90
72	Agronic 4500-72 220 V AC	220 V AC	OPG1130	4.878,50	OPG1123	4.694,00
88	Agronic 4500-88 220 V AC	220 V AC	OPG1131	5.339,60	OPG1139	5.155,10
104	Agronic 4500-104 220 V AC	220 V AC	OPG1132	5.800,70	OPG1140	5.616,20
24	Agronic 4500-24 12 V DC	12 V DC	OPG1133	2.941,90	OPG1141	3.126,30
40	Agronic 4500-40 12 V DC	12 V DC	OPG1134	3.403,00	OPG1142	3.587,40
56	Agronic 4500-56 12 V DC	12 V DC	OPG1135	4.325,20	OPG1143	4.140,70
72	Agronic 4500-72 12 V DC	12 V DC	OPG1136	4.786,30	OPG1144	4.601,80
88	Agronic 4500-88 12 V DC	12 V DC	OPG1137	5.247,40	OPG1145	5.062,90
104	Agronic 4500-104 12 V DC	12 V DC	OPG1138	5.708,50	OPG1146	5.524,00

*All models include 220 AC/12V DC 3A transformer

Discount category D

AGRONIC 4500 OPTIONS

Option	Note	Code	€
Plus	Basic function implementations - Management from 99 to 400 valves - Pump pressure management - Increase programs and subprograms - Activation with code	FER1003	913,00
Idro	For applications where control and management of the pH and EC value is necessary - Phytosanitary treatments - Water mixing - Activation with code	FER1004	92,30
Pivot	For the management of up to 4 pivots with control of the main functions - Management by	FER1005	1.245,00
Solar	Pivot head geo positioning	FER1006	544,10

OPTIONS REMOTE MANAGEMENT AND COMMUNICATION

Option	Note	Code	€
GPRS modem	Modem link - includes Movistar 4G SIM, antenna - first installation	FER1030	645,60
GPRS modem	Modem link - includes Movistar 4G SIM, antenna - post installation	FER311	725,10
Wifi	Wi-Fi - includes antenna - first installation	FER1063	783,90
Wifi	Wi-Fi - includes antenna - post installation	FER1010	839,30
USB	USB port - includes 3 m cable	FER534	362,60
RS 485	RS 485 serial port - requires USB Option, RS485 box, power supply	FER1011	654,80

EXTERNAL MODULE CONTROL

Option	Note	Cod	€
Agrobee LoRa	AgrobeeLoRa module connection - includes coordinator, antenna, 10 m cable - 1st board - see page 105	FER1032	765,50
Agrobee LoRa	AgrobeeLoRa module connection - includes coordinator, antenna, 10 m cable - 2nd board - see page 105	FER1066	765,50
Agronic Radio	Agronic Radio System 433 MHz	FER535	343,50
Agronic Radiomodem	433 MHz Radiomodem connection	FER1077	2.204,10
Single cable	Agronic single cable system - requires RS485 ModBus - EAM module - activation by code - see page 106	FER966	229,00
RS485ME	Serial port for control module expansion connection	FER1013	405,80
RS485ModBus	ModBus protocol serial port for connection of Progres radio and single-cable systems - requires PLUS	FER1014	173,40

ANALOG INPUT CARDS

Option	Note	Code	€
Analogue tab 1a	Board with 6 analogue inputs (5 4-20 mA + 1 0-20V) + 5 analogue / pulsed 4-20 mA outputs	FER521	782,30
Analogue tab 2a	Board with 6 analogue inputs (5 4-20 mA + 1 0-20V) + 5 analogue / pulsed 4-20 mA outputs	FER527	810,90

AGRONIC 4500 BOX AND BUILT-IN OUTPUT EXPANSION MODULES

Option	Note	Code	€
Expansion 40 ext	Hardware module expansion from 24 to 40 outputs	FER1018	534,90
Expansion 56 ext	Expansion hardware module from 40 to 56 outputs - box version in external box requires FER1052 + FER1013	FER1020	996,00
Expansion 72 ext	Expansion hardware module from 56 to 72 outputs - box version in external box requires FER1052 + FER1014	FER1035	534,90
Expansion 88 ext	Expansion hardware module from 72 to 88 outputs - box version in external box requires FER1052 + FER1015	FER1036	534,90
Expansion 104 ext	Expansion hardware module from 88 to 104 outputs - box version in external box requires FER1052 + FER1016	FER1037	534,90

ME1 EXPANSION MODULES WITH REMOTE AGRONIC SLAVE OUTPUTS - CONNECTION VIA CABLE OR RADIO MODEM

Option	Note	Code	€
ME1 DIN	ME1 remote module - DIN rail - 8 outputs - 4 digital inputs - 4 analogue inputs	FER1015	774,70
ME1 BOX	ME1 remote module - BOX - 8 outputs - 4 digital inputs - 4 analogue inputs	FER1016	876,10

ANALOG INPUT EXPANSION MODULE FOR ME1 MODULES

Option	Note	Code	€
BOX expansion 1st module	Board with 6 analogue inputs (5 4-20 mA + 1 0-20V) + 5 analogue / pulsed 4-20 mA outputs	FER1056	710,10
2nd module BOX expansion	Board with 6 analogue inputs (5 4-20 mA + 1 0-20V) + 5 analogue / pulsed 4-20 mA outputs	FER1057	710,10
DIN expansion 1st module	Board with 6 analogue inputs (5 4-20 mA + 1 0-20V) + 5 analogue / pulsed 4-20 mA outputs	FER1058	710,10
DIN expansion 2nd module	Board with 6 analogue inputs (5 4-20 mA + 1 0-20V) + 5 analogue / pulsed 4-20 mA outputs	FER1059	710,10

ME2 EXPANSION MODULES WITH REMOTE AGRONIC SLAVE OUTPUTS - CONNECTION VIA CABLE OR RADIO MODEM

Option	Note	Code	€
ME2 - BOX - 24 ext	ME2-BOX remote module - 24 outputs - 12 digital inputs	FER1017	1.281,90
ME2 - BOX - 40 ext	ME2-BOX remote module - 40 outputs - 12 digital inputs	FER1019	1.650,80
ME2 - BOX - 56 ext	ME2-BOX remote module - 56 outputs - 12 digital inputs	FER1021	2.573,00
ME2 - BOX - 72 ext	ME2-BOX remote module - 72 outputs - 12 digital inputs	FER1022	2.941,90
ME2 - BOX - 88 ext	ME2-BOX remote module - 88 outputs - 12 digital inputs	FER1023	3.310,70
ME2 - BOX - 99 ext	ME2-BOX remote module - 99 outputs - 12 digital inputs	FER1024	3.679,60
ME2 - DIN - 24 ext	ME2 remote module - DIN rail - 24 outputs - 12 digital inputs	FER1034	1.042,10
ME2 - DIN - 40 ext	ME2 remote module - DIN rail - 40 outputs - 12 digital inputs	FER1080	1.466,30
ME2 - DIN - 56 ext	ME2 remote module - DIN rail - 56 outputs - 12 digital inputs	FER1081	1.890,60
ME2 - DIN - 72 ext	ME2 remote module - DIN rail - 72 outputs - 12 digital inputs	FER1082	2.314,80
ME2 - DIN - 88 ext	ME2 remote module - DIN rail - 88 outputs - 12 digital inputs	FER1038	2.739,00
ME2 - DIN - 99 ext	ME2 remote module - DIN rail - 99 outputs - 12 digital inputs	FER1039	3.163,20

OUTPUT EXPANSION MODULE FOR ME2 MODULE

Option	Note	Code	€
ME2 expansion - 40 ext	Expansion module 24 - 40 outputs - ME2 module	FER1045	479,60
ME2 expansion - 56 ext	Expansion module 40 - 56 outputs - ME2 module	FER1046	479,60
ME2 expansion - 72 ext	Expansion module 56 - 72 outputs - ME2 module	FER1047	479,60
ME2 expansion - 88 ext	Expansion module 72 - 88 outputs - ME2 module	FER1048	479,60
ME2 expansion - 99 ext	Expansion module 88 - 99 outputs - ME2 module	FER1049	479,60

POWER SUPPLIES

Option	Note	Code	€
220/12 V DC - 2 A	220 V AC / 12 V DC 2 A power supply	FER2532	95,40
220/12 V DC - 3 A	220 V AC / 12 V DC 3 A power supply	FER1061	92,30
220/24 V AC - 50 VA	Power supply 220 V AC / 24 V AC - 50 VA	FERC974	95,40
220/24 V AC - 100 VA	Power supply 220 V AC / 24 V AC - 100 VA	EQEA024	249,00

CONNECTORS AND ACCESSORIES

Option	Note	Code	€
Extension connector	Output extension connector for expansion box	FER1052	57,20
RS485 repeater	RS485 repeater for communication systems (+1200 m)	FER1078	324,50
RS232 cable	RS232 x A-4500 cable	FER1070	51,70
RS485 cable	RS485 x A-4500 cable	FER1071	51,70
RS485 cable	RS485 cable FROM A-7000 to A-4500	FER1072	70,10
BOX keyboard	Keyboard for A-4500 BOX	FER1073	313,60
RECESSED keyboard	Keyboard for A-4500 FLUSH (without frame)	FER1074	332,00
RECESSED keyboard with frame	Keyboard for A-4500 FLUSH (with frame)	FER1075	479,60

UPGRADE AGRONIC 4000 AND 7000 TO AGRONIC 4500

Option	Note	Code	€
Upgrade 1	Agronic 4500 with MODEM for BUILT-IN A-4000 base (from S/N 55-xxxx)	FER1025	2.075,00
Upgrade 2	Agronic 4500 with Wi-Fi for A-4000 base with BOX (from S/N 55-xxxx)	FER1026	1.927,40
Upgrade 3	Agronic 4500 with Wi-Fi for RECESSED A-4000 base (from S/N 55-xxxx)	FER1027	2.075,00
Upgrade 4	Agronic 4500 with MODEM for A-7000 RECESSED base	FER1028	2.508,40
Upgrade 5	Agronic 4500 with Wi-Fi for RECESSED A-7000 base	FER1029	2.508,40

SOFTWARE CONNECTION

Option	Note	Code	€
WEB platform license	Requires GPRS or Wi-Fi module - For connection via Agronic APP 2.0 and VEGGA - Activation via code	FER1031	147,60
Agronic PC License	Requires GPRS, Wi-Fi, USB, RS485 or Radiomodem module to connect 1 PC to Agronic 4500 - Activation via code	FER1062	332,00

Discount category D

AGRONIC 5500

30	16x9	4+1	1	2	9	16	40	10	4	1	PC - APP Web	AgroBee



MODELS CHART

Mod.	Power supply	Solenoid type output tension
220/24 AC	220V 50 Hz AC	24V AC
12V DC	12V DC	12V DC

APPLICATION

- Irrigation and fertigation control unit
- Soiless greenhouses, cultivations on soil and vineyards
- EC and pH management

SPECIFICS

- LCD display - 128/64 pixel-backlit
- Waterproof soft-touch keyboard, alphanumeric, 15 keys
- Language: italian (others on request)
- Box version for free installation

HARDWARE FEATURES

- Outputs: 10/20/30
- Preconfigured outputs: 4 fertilizers - 1 acid
- Digital inputs: 16 (expandable)
- Analog inputs: 6 - 12
- Counter inputs: 10
- 220/24 V AC transformer not included in the specific model
- Free installation box dimensions: 296 x 287 x 120 mm

MATERIALS

- Free installation box: PC/ABS
- Front panel: aluminium
- Box support: stainless steel

Outputs nr	Model	Box		Built-in	
		Code	€	Code	€
10	Agronic 5510 - 220/24 AC	OPG1303	2.148,73	OPG1304	2.370,05
10	Agronic 5510 - 12V DC	OPG1307	2.093,39	OPG1308	2.314,72
20	Agronic 5520 - 220/24 AC	OPG1305	2.148,73	OPG1306	2.628,27
20	Agronic 5520 - 12V DC	OPG1309	2.093,39	OPG1310	2.572,94
30	Agronic 5530 - 220/24 AC	OPG1311	2.370,05	OPG1312	2.628,27
30	Agronic 5530 - 12V DC	OPG1313	2.314,72	OPG1314	2.572,94

AGRONIC 5500 OPTIONS

Option	Description	Note	Code	€
Dual voltage	Dual Voltage Option	For the management of system power generators. - 12V control - 24V AC control	FER192	126,00
Water mixture option	Option for mixing two different water sources	Code activation	FER197	153,00

REMOTE MANAGEMENT AND COMMUNICATION

Option	Description	Note	Code	€
GPRS	GPRS / SMS modem communication	Includes GPRS modem + quad band 3dBi antenna + 3 m cable + Movistar M2M SIM card - not compatible with Wi-Fi option	FER196	686,88
Wi-Fi	Wi-Fi communication	Connection to a Wi-Fi router - Max distance 50 m - Not compatible with GPRS option	FER200	877,68
Radiolink	433 MHz radio communication	Connection via 433 MHz radio system - Max distance 2.5 km	FER198	753,70
USB	USB communication	Connection of the Agronic 5500 via USB cable to a PC - Max. distance 3 metres	FER2504	372,06
RS485	RS485 communication	Connection of the Agronic 5500 via rs485 cable to a PC - Max distance 100 m.	FER2518	648,72

CONTROL OF EXTERNAL MODULES

Option	Description	Note	Code	€
Agrobee Zigbee	Agrobee 868/915 mhz interface for Agronic 2500	For managing the Agrobee radio system - 800 m + 800 m repeater - includes coordinator, omnidirectional antenna with 10 m cable	FER2507	704,05
Agrobee LoRa	Agrobee 868/915/433 mhz interface for Agronic 2500	For managing the Agrobee radio system - 2500 m direct visibility - includes coordinator, omnidirectional antenna with 10 m cable	FER2520	704,05

SENSOR CONTROL

Option	Description	Note	Code	€
RS485 ModBus	Serial port for RS485 ModBus gateway	Option to connect Davis Vantage Pro weather station - SDI12 option installed required - Compatible with Agrobee LoRa	FER2515	66,78

POWER SUPPLY

Option	Description	Note	Code	€
220/12 DC	External 220V AC / 12V DC transformer	For 12V DC power supply - Socket model P17/11	FER2512	95,40
220/24 AC	AC 220V / AC 24V external transformer	For 24V AC power supply - 50VA - Socket model P17/11	FERC974	95,40
220/24 AC	AC 220V / AC 24V external transformer panel	For 24V AC power supply - 100VA	EQEA024	249,00

CONFIGURATOR

Option	Description	Code	€
Radio - Single cable	Unit for configuration and verification (reading) of individual field units	FER458	772,74

SOFTWARE CONNECTION

Description	Note	Code	€
Web platform licence (Agronic App + Agronic Web)	Request GPRS or Wi-Fi option - Activation by code	FER194	153,00
PC programme licence (includes Agronic PC + Agronic App + Agronic Web)	Connection of up to 3 PCs with Wi-Fi and GPRS	FER2502	343,50

Discount category D

AGRONIC 7000

200	24	8	8	6	∞	47	53	14	9	1	PC - APP Web	Radio monocable



MODELS CHART

Mod.	Power supply	Solenoid type output tension
220/24 AC	220V 50 Hz AC	24 V AC
12 V DC	12V DC	12V DC

APPLICATION

- Irrigation e fertigation control unit
- Soiless greenhouses
- EC and pH management

SPECIFICS

- LCD display - 240 x 128 pixel - backlit
- Waterproof soft-touch keyboard, alphanumeric 24 keys
- Language: italian (others on request)
- Built-in version for panel installation

HARDWARE FEATURES

- Outputs: 40 (expandable up to 200)
- Digital inputs: 16 (expandable)
- Analog inputs: 16 (expandable)
- Fertilizer outputs: 8 for Ec - 2 for pH
- 220/24 V AC transformer included in the specific model
- Front panel dimensions: 365 x 235 x 55 mm
- Box housing dimensions: 355 x 225 mm
- Internal unit dimensions: 285 x 235 x 80 mm

MATERIALS

- Front panel: aluminium

Outputs nr	Model	Built-in	
		Code	€
40	Agronic 7000 220/24 AC	OPG1200	4.569,70
40	Agronic 7000 12 V DC	OPG1201	4.569,70

AGRONIC 7000 OPTIONS

Option	Description	Note	Code	€
Pressure adjustment	Option for pressure control via external inverter with 4/20 mA control	Analogue In/Out option and pressure sensor required - Code activation	FER559	153,00
Water mixture option	Option for mixing two different water sources	Code activation	FER558	153,00

REMOTE MANAGEMENT AND COMMUNICATION

Option	Description	Note	Code	€
GPRS	GPRS / SMS modem communication	Includes GPRS modem + quad band 3dBi antenna + 3 m cable + Movistar M2M SIM card - Not compatible with Wi-Fi option	FER517	682,00
RS485	RS232 communication	RS232 interface port with Agronic Monocable, Agronic Radio and Agronic PC, via cable (100 m)	FER566	267,12
USB	USB communication	Connection via Agronic/PC USB cable - Max distance 15 m	FER514	570,00

CONTROL OF EXTERNAL MODULES

Option	Description	Note	Code	€
RS485	RS485 communication	RS485 interface port with Agronic Monocable, Agronic Radio and Agronic PC, via cable (100 m)	FER556	87,00
Radio	Agronic Radio external module connection option	Agronic Radio system connection - requires an RS485 port - Code activation	FER525	343,50
Monocable	EAM module connection option	Agronic Monocable system connection - requires an RS485 port - Code activation	FER454	229,00

SENSOR CONTROL

Option	Description	Note	Code	€
RS485 ModBus	Serial port for RS485 ModBus gateway	Option to connect Davis Vantage Pro weather station - SDI12 option installed required	FER2515	66,78

IN/OUT EXPANSIONS

Option	Description	Note	Code	€
16 24V outputs	Relay output expansion options	5 modules of 16 outputs can be installed	FER455	433,00
12 analogue outputs	Option 12 analogue outputs	Option for installation of 12 analogue 0-10 V control outputs	FER550	629,64
16 digital inputs	Option 16 digital inputs	Expansion module 16 digital inputs	FER551	248,04

POWER SUPPLY

Option	Description	Note	Code	€
220/24 AC	AC 220V / AC 24V external transformer	For 24V AC power supply - 50 VA - Socket model P17/11	FERC974	95,40
220/24 AC	AC 220V / AC 24V external transformer panel	For 24V AC power supply - 100 VA	EQEA024	249,00

CONFIGURATOR

Option	Description	Code	€
Radio - Single cable	Unit for configuration and verification (reading) of individual field units	FER458	772,74

SOFTWARE CONNECTION

Description	Note	Code	€
Web platform licence (Agronic App + Agronic Web)	Request GPRS or Wi-Fi option - Activation by code	FER194	153,00
PC programme licence (includes Agronic PC + Agronic App + Agronic Web)	Connection of up to 3 PCs with Wi-Fi and GPRS	FER2502	343,50

Discount category D

AGROBEE



APPLICATION

- Radio system for communication among central unit (Agronic 2500 or Agronic 5500) and users on field
- Can be used on open field for protected crops

SPECIFICS

- Communication by standard ZIGBEE: 868 Mhz/2,4Gz - communication maximum distance 800/1600 m (free range) - The ZIGBEE standard allows the insertion of 1 repeater between field unit and central system (version on request)
- Communication by standard LoRa: 868 Mhz - communication maximum distance 2500 m (free range) - The LoRa standard allows open field communication over long distances between field units and central system (standard version)
- Maximum units number to be managed: 16 ZIGBEE/20 LoRa
- Power supply: battery (1,5V x 2 AA)
- 1,6 W solar panel with supercapacitor

HARDWARE FEATURES

- DEPENDING ON THE USED MODEL
- Inputs: 2/6 digital - 1/2 analog
 - Outputs: 2/6/8 12 V DC Latch commands

MATERIALS

- Free installation box: PC/ABS
- Front panel: aluminium
- Box support: stainless steel

FIELDS MODULES LoRa

Code	Model	Description	€
OPG3030	2SD-2ED	2SD-2ED (2 solenoids 2 wires, latch, 2 digital inputs)	1.003,61
OPG3031	2SD-2ED-1EA	2SD-2ED-1EA (2 solenoids 2 wires, latch, 2 digital inputs, 1 analog input)	1.022,69
OPG3033	6SD-6ED-2EA	6SD-6ED-2EA (6 solenoids 2 wires, latch, 6 digital inputs, 2 analog inputs)	1.265,00
OPG3032	8SD-2ED	8SD-2ED (8 solenoids 2 wires, latch, 2 digital inputs)	1.213,49
OPG3034	9SD-2ED-2EA	9SD-2ED-2EA (9 solenoids 2 wires, latch, 2 digital inputs, 2 analog inputs)	1.265,00

FIELDS UNITS - SENSOR EXCLUDED

Code	Description	€
OPG3036	H2O (1 analogue input, 3 soil water sensors)*	1.020,78
OPG3038	SDI-12 (1 digital input for up to 4 tri-sensors)**	1.020,78
OPG3037	Watermark (3 watermark sensors)	1.257,37
OPG3024	Agrobee Dendrometer with 1 sensor***	1.028,41
OPG3025	Agrobee Dendrometer with 2 sensor***	1.066,57

*Compatible sensors: Decagon 10hs, Solfranc sf-s10, Vegetronix vh400, Decagon ec-5, Decagon gs1, Teros10

**Compatible sensors: Decagon Ste, Decagon Gs3, Campbell Cs650, Steven Hydraprobe-li, Acquacheck-4, Acquacheck-8 S, Entek Drill & Drop Triscan, Teros 12, Apogee Ndv/Pri, Teros21, Enviropro

***Compatible sensors: Ecomatic Dc1-Dc2-Dc3, Df, Dd-S, Dd-L, Dv, Dro, Verdtech Plantsens



See probes on pages 108 - 109 - 110

ACCESSORIES AGROBEE SUPPORT AND FIXING



Code	Description	€
FVR002	Radio support quick coupling for aluminium stake	39,00
FVR003	Radio support aluminium stake 3/4" 3 m	60,00
FVR004	Extension for radio support aluminium stake 3/4" 3 m	55,00
FVR101	Radio support aluminium stake (complete) 3/4" 6 m	133,00

FIELD UNITS COMPLETE WITH PROBES AND/OR ZIGBEE SENSORS

Code	Description	€
OPG3026	Solar Agrobee 3LV with 1 ultrasonic level sensor	1.740,10
OPG3027	Solar Agrobee 3LV with 3 ultrasonic level sensors	3.520,26
OPG3029	Solar Agrobee Parshall with 1 channel level sensor	1.715,29
OPG3035	Agrobee-L Weather with temperature, humidity, solar radiation, anemometer, atmospheric pressure, wind speed and direction	3.711,00

AGRONIC SINGLE-CABLE



APPLICATION

- Via cable communication system, by encoders, between field/onsite units and central unit

- Usable in open field and protected crops

SPECIFICS

- Communication: two-pole cable, twist
- Maximum communication distance: 10 km
- Units to be managed: maximum 120
- Field/onsite unit power supply: by EAM central unit

- EAM central unit power supply: 220V 50Hz - buffer batteries
- Compatible with Agronic 4000 - 4500 - 7000

HARDWARE FEATURES

RELATED TO MAM FIELD UNIT MODEL

- Outputs: 1, 2, 3, 5, 8, 12 V DC latch command
- Inputs: 2, 4, 7, 8, digital 1 analog

- Communication max polling: 2 min
- Encapsulated in watertight box

MATERIALS

- Box: PVC/ABS

ENCAPSULATED FIELDS MODULES

Code	Mod.	Out/In	€	Code	Mod.	Out/In	€
FER463	MAM 1-20	1 12V Latch output/2 digital inputs	532,33	FER464	MAM 3-30	3 12V latch outputs/3 digital inputs	608,65
FER461	MAM 2-22	2 12V latch outputs + 2 digital inputs + 2 analogue inputs	570,49	FER469	MAM 5-72	5 outputs/7 digital inputs/2 analogue	856,69
FER460	MAM 3-32	3 12V latch outputs + 3 digital inputs + 2 analogue inputs	627,73	FER488	MAM 8-102	8 outputs/10 digital/2 analog inputs	990,25
FER440	MAM 3-36	3 12V latch outputs + 3 digital inputs + 6 analog inputs 1 SD12 port	1.104,73				
FER457	MAM 2-00	2 12V latch outputs	513,25				

CONTROL OF EXTERNAL MODULES

Code	Description	€
FER456	Complete EAM encoder module with transformer + SAI - loose installation	2.795,22

OPTIONS

Code	Description	€
FER459	Communication line protection against adverse weather events	38,16

AGRONIC RADIO



APPLICATION

- Free communication system, via radio, by encoders, between field units and central unit

- Usable in open field and protected crops

SPECIFICS

- Communication: 433 MHz radio frequency
- Self-setting available channels: 99
- Maximum communication distance: 1,2 km (2,4 by repeater)
- Units to be managed: maximum 60

- Field unit power supply:
 - 5W solar panel + rechargeable batteries
 - long-lasting lithium batteries
- EAR central unit power supply: 220V 50 Hz - 12V DC
- Compatible with Agronic 4000 - 4500 - 7000

HARDWARE FEATURES

- Related to mar field unit model
- Outputs: 4, 10, 16/ 12V DC latch command
- Inputs: 4, 10, 16 digital, 2 analog

- Communication max polling: 1min
- MAR modules: IP66 protection
- Built-in external box

MATERIALS

- Box: PVC/ABS

ENCAPSULATED FIELDS MODULES*

Code	Description	€
FER562	MAR 4-42 4 12V latch outputs/4 digital inputs/2 analog inputs	1.543,57
FER563	MAR 10-102 - 10 12V latch outputs/10 digital inputs/2 analog inputs	1.915,63
FER564	MAR 16-162 - 16 12V latch outputs/16 digital inputs/2 analog inputs	2.335,39
FER2510	5W solar panel with fixing support for field modules	292,00

*Standard rechargeable batteries, for lithium batteries indicate when ordering and add + €40 per module

CONTROL OF EXTERNAL MODULES

Code	Description	€
FER561	Agronic Radio 433 12V DC connection - Agronic Radio433 EAR master module	2.280,06
FER565	Agronic Radio 433 220V AC connection - Agronic Radio433 EAR master module	2.468,95




DATA DETECTING

Discount category D







CLIMATE

	Code	Name	Description	Compatibility	Connection	€
	FSM025	Davis Vantage Pro weather station	Temperature/humidity; rain gauge; anemometer; wind speed + direction; 5 4-20 mA outputs	2500/4000/5500	Direct 5 ana. + 1 dig.	4.500,00
	FER975	Progres weather station	Temperature/humidity; rain gauge (0,2 l/p); anemometer; wind speed + direction; solar radiation; single 12 m cable output for 4-20 mA connection	2500/4000/5500	Direct 6 ana. + 1 dig.	3.806,50
	FER976	Weather station Progress compact	Temperature, humidity, radiation rain gauge wind speed and direction atmospheric pressure photosynthetic radiation	2500/5500/4500	SDI12	2.750,00
	FSM021	Davis solar radiation probe	Solar radiation sensor with mounting bracket	Davis weather station	Direct	765,00
	FER600	1 liter rain gauge	Volumetric drainage control; 1 l/m ² ; digital output	2500/4000/5500/7000/ Agrobee LoRa	Direct 1 dig.	393,00
	FER605	0,2 liter rain gauge	External rain measurement 0,2 l/pulsation; digital output	2500/4000/5500/7000/ Agrobee LoRa	Direct 1 dig.	639,18
	FER513	Anemometer 4-20 mA	Wind speed; reading range from 0 to 120 km/h; 4-20 mA output	2500/4000/5500/Radio/ Single cable/ Agrobee	Direct 1 ana.	352,98
	FER417	Temperature 4-20 mA	Temperature; working range -40° C + 85 °C IP65; 4-20 mA output	All models	Direct 1 ana.	259,49
	FER415	Relative humidity 4-20 mA	Atmospheric humidity for outdoors; 5m cable included; 4-20 mA output	All models	Direct 1 ana.	490,36
	FER602	Ventilated 4-20 mA humidity probe	Humidity in GREENHOUSES or humid environments; 5m cable included; 4-20 mA output	All models	Direct 2 ana.	1.135,26
	FER419	4-20 mA humidity and temperature probe	Relative humidity and temp .; 5 m cable and solar protector; 4-20 mA output	All models	Direct 3 ana.	1.287,90
	FER489	Wet bulb 4-20 mA	Temperature, Humidity, wet bulb with sun protection	All models	Direct 3 ana.	1.287,00
	FER412	Solar radiation 4-20 mA	Solar radiation, pole mounting with fixing clip and 5 m cable	All models	Direct 1 ana.	391,14


WATER

	Code	Name	Description	Compatibility	Connection	€
	FER819 + FER821	PH probe - Epoxy body + probe holder	pH of the water (recommended for low pressure systems)	2500/4000/5500/7000/ Single cable/Radio	FER400 or FER401 transmitter 1 ana.	161,62 49,25
	FER097	Ph probe with 3/4 "probe holder	pH of the water (recommended for high pressure systems)	2500/4000/5500/7000/ Single cable/Radio	FER400 or FER402 transmitter 1 ana.	324,00
	ATR051	4 electrode blue EC probe	EC detection 4 electrodes	2500/4000/5500/7000/ Single cable/Radio	FER400 o FER401 transmitter 1 ana.	650,00

SOIL

Code	Name	Description	Compatibility	Connection	€
 FSM170	Teros 10 Soil moisture	Open field; measures soil moisture	All models	FER409 or FER410 transmitter	550,00
 FSM171	Teros 12 Soil moisture	In the greenhouse; measure: soil moisture, temperature, EC	All models	FER414 transmitter	995,00
 FER603	Watermark tensiometer 4-20	Tensiometric detection; measures from 0 to 239 cbar.	All models	Trasm. FER568	159,00
 ATR065	Acquacheck. Probe soil moisture.	4 LEVELS probe; 800 mm	All models	FER414 transmitter	1.543,00
 ATR068	Drill & Drop. Humidity probe and temp. soil	3 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	1.669,20
 ATR072	Drill & Drop. Humidity probe, temp. and EC of the soil	3 LEVELS probe; every 10 cm	2500/5500/Agrobee	FER414 transmitter	2.028,90

ACCESSORIES

Code	Name	€
 FER259	Directional quad-band antenna for GPRS 11dBi - 10 m cable	133,56

TRANSMITTERS

Code	Name	€
 FER409	H2O transmitter 2 sensors	544,10
 FER410	H2O 3-sensor transmitter	571,76
 FER400	EC/Ph transmitter	723,13
 FER401	PH transmitter	505,62
 FER402	EC transmitter	505,62
 FER414	SDI transmitter 12	433,43
 FER530	Dendrometer transmitter	415,00

DATA DETECTING



Discount category D

PLANT

	Code	Name	Description	Compatibility	Connection	€
	FER470	Photosynthetic radiation 4-20 mA	Photon flow sensors; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.374,10
	FER471	NVDI	Reflectance Vegetation index	Agrobee LoRa	FER414 transmitter	6.317,00
	FER472	PRI	Photochemical reflectance index; including stand	Agrobee LoRa	FER414 transmitter	3.920,00
	FER482	Lymphatic flow at 5 or 10 mm	Movement measurement of lymphatic flow of small leaves; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.798,00
	FER483	Lymphatic flow at 5 or 10 mm	Movement measurement of the lymphatic flow of large leaves; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.798,00
	FER484	Small leaf temperature	Leaf temperature	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.051,00
	FER485	Large leaf temperature	Leaf temperature	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.863,00
	FER486	Leaf moisture	Leaf humidity	2500/4000/5500/Agrobee/ Single cable/Radio	FER409 Agrobee transmitter specific unit	645,00
	FER473	Ecomatik DC3 25mm trunk dendrometer	Measurement of trunk contraction and dilation; diameter up to 25mm	2500/4000/5500/Agrobee/ Single cable/Radio	Transm. FER503 Agrobee specific unit	1.361,10
	FER474	Verdtech 7mm trunk dendrometer	Measurement of trunk contraction and dilation; diameter up to 70mm	2500/4000/5500/Agrobee/ Single cable/Radio	FER503 Agrobee transmitter specific unit	1.468,10
	FER475	Trunk dendrometer 5/25 mm	Measurement of stem contraction and expansion; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.724,50
	FER476	Trunk dendrometer 10/70 mm	Measurement of stem contraction and expansion; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.724,50
	FER477	Ecomatik DF 15/110 mm fruit dendrometer	Measurement of the contraction and expansion of a plant organism; shows organism growth and water stress	2500/4000/5500/Agrobee/ Single cable/Radio	FER503 Agrobee transmitter specific unit	1.287,40
	FER478	Fruit dendrometer FI- 30 mm	Measurement of the contraction and expansion of a plant organism; shows the growth of the organism and water stress; diameter 30-45-90-160 mm; 4-20 mA output	2500/4000/5500/Agrobee/ Single cable/Radio	Direct	1.936,60
	FER479	Fruit dendrometer FI- 45 mm			Direct	1.936,60
	FER480	Fruit dendrometer FI- 90-mm			Direct	1.936,60
	FER481	Fruit dendrometer FI- 160 mm			Direct	1.936,60

FERTICONTROL PRO-FV16



APPLICATION

- Management of fertilizers and acids with timed injection control
- Option volume via fertilizer meters
- Acid management via pH probe
- Compact and simple to install

SPECIFICS

- Dimensions: height 130 cm – width 70 cm – depth 50 cm
 - Support frame: AISI 304 stainless steel
 - Minimum working pressure of the machine 1.5 bar
 - Maximum injection pressure based on the number of aspirations (max 6 bar)
 - Monobloc horizontal multistage electric pump 1.2 HP basic – max 2 HP 230V single phase (depending on the pressure increase options) - the parts in contact with the liquids are in AISI 304 stainless steel
 - Maximum injection of each Venturi 400 l/h
 - Optional digital instrument with LCD display inserted inside the control panel capable of reading the EC value and setting an alarm
- FV16 CONTROL UNIT INSIDE THE PANEL CAPABLE OF MANAGING:*
- 16 24V AC solenoid valves in the field, 3 time/volume fertilizers, 3 fertilizer pulse launch counters, 1 general water pulse launch counter, 1 bench booster pump, 1 general system pump or master valve, 5 digital inputs (1 irrigation counter, 3 fertilizer meters, 1 differential pressure switch), 3 filter washing control outputs, 1 alarm output
 - Two programmable outputs with the possible possibility of managing 2 agitators
 - Digital pH dosing pump 8 l/h – 8 bar with LCD display, proportional band regulation based on the signal received from the pH probe (e.g. pH7=pump at 100% pH5=pump at 0%)
- ELECTRONIC CONTROL PANEL COMPLIANT WITH CURRENT REGULATIONS*
- Dimensions 40 h x 30 w x 15 d (cm)
 - IP55 plastic box
 - Main door lock switch
 - Manual or automatic keyboard selection
 - LCD display showing electrical data, adjustable amperometric protection and dry running
 - Maximum absorption 12 Amp. 230V single phase for 2 HP pump

Code	Description	Programmer	Fertilizer suction	Injection pH	Press.max bar	€
AFE1005	Function by time	FV16	1	1	6	6.408,00
AFE1006	Function by time	FV16	2	1	5*	6.990,00
AFE1007	Function by time	FV16	3	1	4*	7.609,00
AFE1008	Function by volume	FV16	1	1	6	6.690,00
AFE1009	Function by volume	FV16	2	1	5*	7.590,00
AFE1010	Function by volume	FV16	3	1	4*	8.500,00
AFE1009-B	Function by volume	Agronic 2518	2	1	6	7.002,00
AFE1009-A	Function by volume	Agronic 2527	2	1	6	7.367,00
AFE1010-A	Function by volume	Agronic 2527	3	1	5*	8.127,00

*Optional pressure increase 1 bar (additional cost + €200.00)

Control programmer	Fertiliser injection	Acid injection	Max. number of injections	Weight Kg	Meters
FV16	By time - volume - proportional	By probe	3 + 1	55	Yes
Agronic 2500	By volume - time	By probe	3 + 1	55	Yes

For integration of outputs, analogue/digital inputs, communication and more, see page 96

Discount category D

FERTICONTROL SA



APPLICATION

- Fertilizer and acidification management soilless/ hydroponic crops
- By-pass fertirrigation systems, completely preassembled with input and outputs to be connected directly to the main line of the system

SPECIFICS

- Dimensions: 140 cm height - 85 cm width - 75 cm depth
- - kg 100 maximum weight
- Chassis: AISI 304 stainless steel or anodized aluminium
- Working pressure: 1,5 bar min. - 6 bar max
- Centrifugal vertical axis electric pump HP2 - 400V or 230V single-phase (parts in contact with liquids are AISI304 stainless steel), 4,3 A (400V) maximum consumption and 7,5 A (single-phase)
- Maximum injection for each Venturi: 400 l/h
- Real flow-rate of each injection system can be displayed directly by flowmeters
- SA 4000 models for acid injection use, on request, a 20 l/h at 7 bar dosing pump
- Derivation probes for Ph control (in S A 4000 and S A 5000 models) and conductivity control (only for S A 5000 models)

THE PULPIT ELECTRIC PANEL IN COMPLIANCE WITH APPLICABLE RULES

- IP55 plastic box
- General door lock switch
- Manual - zero - automatic selector for Venturi aspiration pump with run-spy and stop
- Alarm
- Irrigation pump command
- Power stabilizer not included

Code	Mod.	Agronic programmer	Standard outputs	Fertilizer injections nr	€
AFE2505	2518 SA2	2500	18	2	8.049,00
AFE2506	2518 SA3	2500	18	3	8.707,00
AFE2507	2518 SA4	2500	18	4	9.578,00
AFE2503	2527 SA2	2500	27	2	8.280,00
AFE2501	2527 SA3	2500	27	3	8.968,00
AFE2502	2527 SA4	2500	27	4	9.820,00
AFE2012	4016 SA2	4000	16	2	9.578,00
AFE2013	4016 SA3	4000	16	3	10.264,00
AFE2017	4016 SA4	4000	16	4	11.088,00
AFE2018	4024 SA2	4000	24	2	10.069,00
AFE2014	4024 SA3	4000	24	3	10.756,00
AFE2015	4024 SA4	4000	24	4	11.538,00

Acid control: SA 2500 and SA4000 optional
Fertilizers control by volume: SA 2500 and SA4000 optional

Code	Mod.	Agronic programmer	Standard outputs	Fertilizer injections nr	€
AFE5523	5520 SA3	5500	20	3	11.644,00
AFE5524	5520 SA4	5500	20	4	12.201,00
AFE5525	5520 SA5	5500	20	5	12.764,00
AFE5513	5530 SA3	5500	30	3	11.941,00
AFE5514	5530 SA4	5500	30	4	12.498,00
AFE5515	5530 SA5	5500	30	5	13.066,00
AFE2020	7000 SA3	7000	40	3	14.428,00
AFE2021	7000 SA4	7000	40	4	14.996,00
AFE2022	7000 SA5	7000	40	5	15.601,00
AFE4502	4500 SA3	4500	40	3	15.315,00
AFE4503	4500 SA4	4500	40	4	15.883,00
AFE4504	4500 SA5	4500	40	5	16.488,00

Acid control: SA 5500 and SA 7000 included
Fertilizers control by EC: SA 5500 e SA 7000
Fertilizers control by volume: SA 7000 optional

ACID INJECTION OPTION FOR SA2500

Code	Description	€
AFE0060	AMS/pH 20 lt 7 bar + pH probe + stainless steel support	2.435,40

For integration of outputs, analogue/digital inputs, communication and more, see the specific pages of each control unit

Command programmer	Fertilizer injection	Acid injection	Injections max nr	Weight kg	Meters
Agronic 2500	By time - volume	By probe	5	95	Yes
Agronic 4000	By volume - time - proportional	By probe	5	95	Yes
Agronic 5500	By electrical conductivity	By probe	5	95	No
Agronic 7000	Mixed (electrical conductivity or volume)	By probe	5	95	No
Agronic 4500	Mixed (electrical conductivity or volume)	By probe	8	95	No

LOW-TENSION PAIGE ELECTRICAL CABLES



Code	Description	mm ²	Box	€/m
CCV008	Black unipolar	1,50	760	1,50
CCV010	Yellow unipolar	1,50	760/100*	1,50
CCV009	Black unipolar	2,50	760	2,40
CCV017	Yellow unipolar	2,50	760/100*	2,40
CVF050	2 poles	0,82	152	1,50
CVF056	3 poles	0,82	76	2,10
CVF051	5 poles	0,82	76	3,20
CVF052	7 poles	0,82	76	4,30
CVF055	9 poles	0,82	76	5,60
CVF053	10 poles	0,82	76	6,20
CVF054	13 poles	0,82	76	8,00

*100 m coils on request

FG16 ELECTRICAL CABLES



Code	Description	mm ²	Box m	€/m
CVF257	2 poles	1,50	100	2,90
CVF262	4 poles	1,50	100	4,60
CVF265	5 poles	1,50	100	5,40
CVF266	7 poles	1,50	100	8,60

ENCODER CABLES



Code	Model	Description	mm ²	Box m	€/m
CVF087	750 CY	2 poles	1,50	100	3,60

CONNECTORS



Code	Description	mm ²	Box	€/cad
OAA051	Connector LV9000 resin coated - 48V residential applications	6,00	24	3,50

ACCESSORIES

Discount category D

EC PROBES

Code	Description	Cable m	Bar _{max}	€
FER099	EC probe	5	6	217,00



SPEED AND FLOW-RATE PROBE (FLOWMETER)

Code	Description	Ø mm	m ³ /h min	€
FER101	Speed and flow-rate probe			1.835,00
FER770	Bracket for flowmeter	50	2	60,00
FER771	Bracket for flowmeter	63	3	62,00
FER772	Bracket for flowmeter	75	4	70,00
FER773	Bracket for flowmeter	90	6	73,00
FER774	Bracket for flowmeter	110	9	76,00
FER775	Bracket for flowmeter	125	12	147,00
FER776	Bracket for flowmeter	140	16	116,00
FER777	Bracket for flowmeter	160	19	144,00



FERTILIZER COUNTER WITH PULSE OUTPUTS

Code	Description	€
FVR504	Counter mod. KD ¾" pulse outputs 0,1 lt/pulse	225,20
FVR505	Counter mod. SF ¾" pulse outputs 0,1 lt/pulse	239,00
FVR506	Counter mod. SF ¾" pulse outputs 1 lt/pulse	239,00



COMPONENTS FOR AUTONOMOUS SOLAR ENERGY KIT

Description	€
Rigid solar panels 5 ÷ 185 W	REQ.
Inverter 150 ÷ 300 W	REQ.
Batteries 7 ÷ 200 Ah	REQ.
Charge controller	REQ.

Products available on request



FERTIRRIGATION ELECTROVALVES

Code	Description	Model	€
OVA850	Fertirrigation electrovalve	D132	218,00
OVA865	Fertirrigation electrovalve	S12 24V	230,20
OVA864	Fertirrigation electrovalve	S11 12V	230,20



VERTICAL FLOWMETER WITH DIRECTLY DISPLAYED FLOWRATE

Code	Coupling Ø	Reading _{min-max} l/h	€
FER120	Solvent cement 20 mm	30 300	92,40
FER121	Solvent cement 20 mm	50 500	92,40
FER2003	Solvent cement 32 mm	25 250	89,00
FER2000	Solvent cement 32 mm	40 400	94,80
FER2007	Solvent cement 32 mm	200 1.200	106,80



SOLUTIONS MEASURE EC PH

Code	Description	pack.	€
ATR003	Ec 1413 solution ms 500ml - hi7031l	5	40,20
ATR004	Ec 5000 solution µs 230ml - hi7039m	10	34,90
ATR018	Ph 1.4 solution Sachets 25 x 20 ml - hi7031p	100	3,20
ATR016	Ph 4.01 solution Sachet 20 ml - hi70004p	150	3,20
ATR017	Ph 7.01 solution Sachet 20 ml - hi70007p	150	3,20
ATR006	Ph 4.01 solution 500 ml - hi7004l	23	40,20
ATR007	Ph solution 7.01 500 ml - hi7007l	24	40,20

CLIMATE AND SOIL HUMIDITY INSTRUMENTS

DIGITAL READING WATERMARK TENSIO METER*

Code	Description	€
FER603	Humidity probe for digital player	Vedi pag. 109
OPG1001	Digital player	739,80
OPG1003	Probes data visualizer and recorder with historical data	1.714,40



*While stocks last

NOTE



VALVES

PVC VALVES

Discount category A



PVC BLACK BALL VALVES, BACKNUT



Ø	F/F				M/F			
	Code	PN	Box	€/each	Code	PN	Box	€/each
¾"	FVIA007	10	140	2,65	FVIA020	10	140	2,65
1"	FVIA008	10	100	3,11	FVIA021	10	100	3,11
1¼"	FVIA009	10	60	5,87	FVIA022	10	60	5,87
1½"	FVIA010	10	40	9,89	FVIA023	10	40	9,89
2"	FVIA011	10	24	14,15	FVIA024	10	24	14,15
2½"	FVIA012	10	12	31,74	FVIA025	10	12	31,74
3"	FVIA013	10	10	45,43	FVIA026	10	10	45,43
4"	FVIA014	10	6	86,02	FVIA027	10	6	86,02

PVC-U BALL VALVES, BACKNUT



Ø	F/F			M/F		
	Code	PN	€	Code	PN	€
½"	FVC150	16	16,80	FVC159	16	16,90
¾"	FVC151	16	14,90	FVC160	16	16,90
1"	FVC152	16	18,50	FVC161	16	18,20
1¼"	FVC153	16	24,20	FVC162	16	24,00
1½"	FVC154	16	31,80	FVC163	16	33,30
2"	FVC155	16	39,70	FVC164	16	41,00
2½"	FVC156	10	107,70			
3"	FVC157	10	107,70			
4"	FVC158	10	175,20			

PVC-U BALL VALVES BI-BACKNUT



Ø	F/F			Gluing F/F			
	Code	PN	€	Ø	Code	PN	€
½"	FVC230	16	13,50	20	FVC240	16	15,60
¾"	FVC231	16	17,50	25	FVC241	16	18,69
1"	FVC232	16	25,10	32	FVC242	16	23,60
1¼"	FVC233	16	32,00	40	FVC243	16	30,72
1½"	FVC234	16	33,30	50	FVC244	16	34,94
2"	FVC235	16	47,30	63	FVC245	16	53,12
2½"	FVC236	10	99,40	75	FVC246	10	116,27
3"	FVC237	10	115,10	90	FVC247	10	249,40
4"	FVC238	10	157,50	110	FVC248	10	327,90



PLASSON BALL VALVES



Ø	F/F			M/F		
	Code	PN	€	Code	PN	€
½"	FVI027	16	14,52	FVI031	16	13,42
¾"	FVI011	16	16,17	FVI018	16	16,17
1"	FVI025	16	17,93	FVI010	16	17,93
1¼"	FVI032	16	25,52	FVI043	16	25,08
1½"	FVI028	16	33,11	FVI044	16	32,23
2"	FVI026	16	55,33	FVI040	16	55,22
2½"	FVI029	10	122,10			
3"	FVI024	10	138,60			
4"	FVI047	10	239,80			

PVC BUTTERFLY VALVE



Ø	Code	PN	€
75 - DN65	FVF096	10	206,22
90 - DN80	FVF097	10	236,64
110 - DN100	FVF098	10	281,22
125 - 140 - DN125	FVF099	10	293,40
160 - DN150	FVF100	10	356,80
200 - 225 - DN200	FVF101	10	565,90

NON-RETURN CLAPET VALVES

Discount category A

NON-RETURN VALVES



Ø	DN	PVC swing				swing			
		Code	PN	B.	€/each	Code	PN	B.	€/each
63	50					FVC015	10	15	89,20
75	65	FVC010	10	1	54,30				
90	80	FVC011	10	1	65,60				
110	100	FVC012	10	1	77,10				
125	125					FVC016	10	5	163,00
140	125	FVC013	10	1	108,81				
160	150	FVC014	6	1	134,50				
200	200					FVC017	6	4	235,00
225	200					FVC018	6	3	267,00

NON-RETURN PVC VALVES



Ø	gluing			
	Code	PN	B.	€/each
32	FVC020	10	80	20,87
40	FVC021	10	40	25,72
50	FVC022	10	20	32,46
63	FVC023	10	20	40,18

NON-RETURN PVC VALVES EPDM SEAL



Code	Ø	€	Gluing		
			Code	Ø	€
FVI634	½"	18,80	FVI585	20	20,55
FVI502	¾"	22,50	FVI586	25	26,50
FVI503	1"	29,17	FVI596	32	28,40
FVI504	1¼"	35,60	FVI594	40	33,50
FVI505	1½"	50,90	FVI595	50	48,60
FVI506	2"	52,20	FVI597	63	64,30
FVI507	2½"	162,00	FVI598	75	151,50
FVI508	3"	208,70	FVI599	90	195,60
FVI509	4"	272,50	FVI600	110	304,40

VALVES METAL

TOTAL PASSAGE GALVANIZED BALL VALVES



Ø	F/F				M/F				Light series				Heavy series			
	Code	PN	Box	€/each	Code	PN	Box	€/each	Code	PN	Box	€/each	Code	PN	Box	€/each
½"	FSF100	50	12	11,31	FSF120	50	12	11,98	FSV020	10	20	10,07	FSV001	20	20	11,14
¾"	FSF101	40	8	16,79	FSF121	40	8	17,63	FSV021	10	20	11,14	FSV002	20	20	16,47
1"	FSF102	40	8	24,61	FSF122	40	8	26,00	FSV022	10	10	17,14	FSV003	20	10	22,69
1¼"	FSF103	30	4	38,82	FSF125	30	4	43,11	FSV023	10	10	23,57	FSV004	20	10	32,08
1½"	FSF104	30	2	57,40	FSF123	30	4	62,14	FSV024	10	5	30,60	FSV005	20	5	38,52
2"	FSF105	25	2	87,95	FSF124	25	2	94,41	FSV025	10	1	44,96	FSV006	20	1	66,80
2½"	FSF108	18	1	164,03					FSV026	10	1	70,64	FSV007	16	1	96,17
3"	FSF106	16	1	258,18					FSV027	10	1	96,32	FSV008	16	1	123,75
4"	FSF107	14	1	422,51					FSV028	10	1	142,40	FSV010	16	1	197,93
5"									FSV011	10	1	REQ.				
6"									FSV013	10	1	REQ.				

BRASS GATE VALVES



SARABOX FLAT BODY

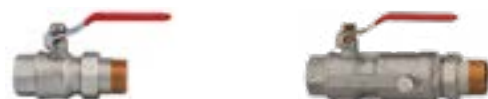


BUTTERFLY VALVE



Ø	GG25 rubberized wedge			Cast iron lens w/lever		
	Code	PN	€	Code	PN	€
DN40	FSP038	16	253,30	FVF345	16	75,69
DN50	FSP039	16	291,70	FVF346	16	80,67
DN65	FSP040	16	351,10	FVF347	16	91,80
DN80	FSP041	16	403,50	FVF348	16	101,87
DN100	FSP042	16	469,90	FVF350	16	125,72
DN125	FSP044	16	731,90	FVF351	16	166,42
DN150	FSP053	16	814,00	FVF352	16	200,13
DN200	FSP046	16	1.371,10	FVF353	16	283,77
DN250	FSP047	16	2.103,00	FVF354	16	462,16
DN300	FSP011	10	2.915,20	FVF355	16	644,80

BALL VALVE WITH PIPE UNION



Ø	Code	PN	€	With check valve integrated		
				Code	PN	€
½"	FSF128	30	20,70			
¾"	FSF129	30	32,02			
1"	FSF130	30	51,68	FSF135	30	155,08
1¼"	FSF132	25	82,44	FSF136	25	217,10
1½"	FSF133	25	162,90	FSF137	25	311,47
2"	FSF134	20	229,97			

VALVES AND AIR VENTS



Discount category D

CAST IRON, AT BODY GATE-VALVE PN 16



Ø mm	Code	Model	€	Code	Model	€
50	ACX01009	ACX01009	270,62	ACX00551	ACX00551	185,00
65	ACX01010	ACX01010	352,50	ACX00552	ACX00552	233,75
80	ACX01011	ACX01011	362,37	ACX00553	ACX00553	301,25
100	ACX01012	ACX01012	438,75	ACX00554	ACX00554	402,50
125	ACX01013	ACX01013	653,75	ACX00555	ACX00555	593,75
150	ACX01014	ACX01014	730,00	ACX00556	ACX00556	871,25
200	ACX01015	ACX01015	1.341,25	ACX00557	ACX00557	2.011,25
250	ACX01016	ACX01016	1.993,75	ACX00558	ACX00558	3.156,25
300	ACX01017	ACX01017	2.817,50			

CAST IRON CHECK-VALVE PN16



ALUMINIUM AIR VENT TYPE DOUBLE EFFECT



Ø	Code	Model	€	Code	Model	€
1"	ACXDE515	ACXDE515	33,12	ACXDE516	ACXDE516	60,63

ALUMINIUM AIR VENT TYPE SIMPLEX, INSTALLED



AIR VENT TYPE NEW ROMA, WITH VALVE



Ø	Code	Model	€	Code	Model	€
1"	ACX00517	ACX00517	115,87	ACX00519	ACX00519	143,37

AIR VENT TYPE NEW ROMA, WITH VALVE, INCL. INSTALLATION



CAST IRON AIR VENT TYPE CROTONE, WITH VALVE



Ø	Code	Mod.	€
DN 50	ACX00901	ACX00901	293,75

BRASS PRESSURE RELIEF VALVE



Ø	Code	Model	€	Code	Model	€
1"	ACX00591	ACX00591	55,00	ACX01007	ACX01007	12,87
1½"	ACX00593	ACX00593	107,50	ACX00847	ACX00847	25,37
2"	ACX00594	ACX00594	143,75	ACX00848	ACX00848	39,62
2½"	ACX00595	ACX00595	468,75	ACX00849	ACX00849	59,00
3"	ACX00596	ACX00596	578,75	ACX00753	ACX00753	74,56
4"				ACX00850	ACX00850	145,00
5"				ACX01685	ACX01685	503,75

BRASS FOOT-VALVE



SPECIAL VALVES

Discount category A

EUROPA CHECK AND FOOT VALVE



Ø	Check and foot valve			Filter	
	Code	PN	€	Code	€
½"	FVE001	40	14,47	FFI001	3,23
¾"	FVE002	40	19,91	FFI002	3,55
1"	FVE003	40	31,45	FFI003	4,00
1¼"	FVE004	40	51,53	FFI004	4,94
1½"	FVE005	40	72,56	FFI005	6,17
2"	FVE006	40	108,86	FFI006	8,04
2½"	FVE007	40	215,59	FFI007	15,59
3"	FVE008	40	360,20	FFI011	19,43
4"	FVE009	40	467,13	FFI012	28,93

IRON TAPS

Code	Description	Ø	€
FRS001	Ball hose adaptor tap PN15	½"	12,32
FRS002	Ball hose adaptor tap PN15	¾"	18,56
FRS003	Ball hose adaptor tap PN10	1"	30,21
FRS120	Ball hose adaptor tap with handhold PN10	½"x¾"	36,18
FRS125	2 independent ways derivation PN10	¾"x¾"x¾"	51,79

END LINE VALVES

Ø	Code	Description	Box	€/each
½" M	FVI704	Rain bird air valve	1	8,61
½" M	OAC033	Brass draining valve	2	13,50

AIR VENTS

Ø	Code	Effect	Materials	P _{max} bar	€
¾"	FVI321	Single	Reinforced polypropylene and polyamide (nylon)	6,9	9,30
1"	FVI322	Single	Reinforced polypropylene and polyamide (nylon)	6,9	9,30
¾"	FVI362	Double	Polyamide - EPDM seals - polystyrene foam float	16	21,40
¾"	FVI354	Double low pressure (0,2 ÷ 1 bar)	Polyamide - EPDM seals - polystyrene foam float	16	20,40
1"	FVI355	Double low pressure (0,2 ÷ 1 bar)	Polyamide - EPDM seals - polystyrene foam float	16	20,40
1"	FVI363	Double	Polyamide - EPDM seals - polystyrene foam float	16	21,40
1"	FVI395	Triple	Polyamide - EPDM seals - polystyrene foam float	16	42,00
2"	FVI366	Double	Polyamide - EPDM seals - polystyrene foam float	16	46,90
2"	FVI396	Triple	Polyamide - EPDM seals - polystyrene foam float	16	133,40

BERMAD AIR VENTS



Ø	Code	Effect	Model	PN	€
¾"	FVI404	Kinetic	IR-K10-P	10	38,00
1"	FVI405	Kinetic	IR-K10-P	10	38,00
2"	FVI406	Kinetic	IR-K10-P	10	48,00
¾"	FVI390	Combined	IR-C10-P	10	84,00
1"	FVI391	Combined	IR-C10-P	10	84,00
2"	FVI392	Combined	IR-C10-P	10	139,00
2"	FVI402	Combined	IR-C15-P	10	94,00
¾"	FVI400	Combined	IR-C30-P	16	104,00
1"	FVI399	Combined	IR-C30-P	16	104,00
2"	FVI398	Combined	IR-C30-P	16	207,00
DN50	FVI393	Combined	IR-C30-P	16	265,00
DN80	FVI397	Combined	IR-C30-P	16	REQ.
2"	FVI401	Combined	IR-C35-P	16	164,00

VALVES

Discount category C



SPECIFICS

- Maximum operating pressure referred to 20° C
- Max working temperature 60° C

MATERIALS

- UV resistant
- Body and handle: fiberglass reinforced nylon
- Ball: PP
- Seat: acetal resin (POM)
- Seals: nitril rubber
- Check and foot valve: stainless steel spring-diaphragm: nitril rubber

TOTAL PASSAGE BALL VALVES



ANTIFREEZE



NON RETURN VALVE



FOOT VALVE



Ø	F/F			M/F			F/F			F		
	Code	PN	€	Code	PN	€	Code	PN	€	Code	PN	€
½"	OHV001	16	39,41									
¾"	OHV002	16	39,41									
1"	OHV003	16	44,35	OHV022	16	46,57	OHV010	10	59,17	OHV015	16	59,17
1¼"	OHV004	16	59,05	OHV023	16	62,02	OHV011	10	89,33	OHV016	16	89,26
1½"	OHV005	16	73,87	OHV024	16	77,48	OHV012	10	111,50	OHV017	16	111,50
2"	OHV006	16	88,63	OHV025	16	92,94	OHV013	10	162,56	OHV018	16	162,56
2½"							OHV014	10	334,17	OHV019	16	334,17

LEVEL ALERT



APPLICATION

- Tank level indicator that can be mounted on any type of tank
- Look at the water level in your tank at a glance

SPECIFICS

- Prevents dry running of the pump
- Suitable for any type and/or size of tank
- Fully adjustable UniTri mounting base
- The UniTri holder will adapt to various angles of the tank lid (maximum angle of 35°)
- Suitable for plastic, concrete and steel tanks

MATERIALS

- Made of UV resistant material, Nylon reinforced with fiberglass
- Stainless steel pipes (diameter 16 mm)
- Complete with all necessary stainless steel fixings
- 3 heavy duty stainless steel pipes (Ø 16 x 669 mm)
- 115 mm threaded yellow marker
- Blue float (155 x 230 mm) with long thread
- Optional stainless steel extension tubes available (669 mm)

Code	Description	€
SGL020	Level alert	466,05



APPLICATION

- **Minifastflo:** small dimensions float - very flexible and easy to install - high deflow-rate and very silent
- **Fastflo:** float with brass arm for a customized application - easy to install, ensures high deflow-rates

Superflo: either PE or acetal or brass body and arm - specific for clean and dirty waters - suit for any application of level control

- **Maxflo:** fiberglass reinforced nylon body float with high flow-rate performances - anti-dirt internal system locking

SPECIFICS

- Working pressure: 0 ÷ 12 bar
- Maximum operating pressure referred to 20° C
- Max working temperature 60° C

MATERIALS

- UV resistant
- Acetal resin
- Fiberglass reinforced nylon
- Stainless steel and brass
- TPU (Thermoplastic Polyurethane Elastomer) seals
- Polyester cable-PeAD float

Model	Threaded input	Input adapter	Pressure bar		Q _{nom} l/m		Version		
	inches		inches	min	max	2 bar	5 bar	arm	body
Minifastflo	1"	1" x 1/2"	0	12	9				
Minifastflo	1"	1" x 3/4"	0	12	9				
Minifastflo	1"	1" x 1"	0	12	9				
Fastflo	1"	1" x 1/2"	0	12	34	56	long/short		
Fastflo	1"	1" x 3/4"	0	12	34	56	long/short		
Fastflo	1"	1" x 1"	0	12	34	56	long/short		
Superflo	1"	1" x 3/4"	0	12	188	285	long/short	acetal resin/brass	Ø 115/Ø 140
Superflo	1"	1" x 1"	0	12	188	285	long/short	acetal resin/brass	Ø 115/Ø 140
Maxflo	1"	1" x 3/4"	0	12	570	870			
Maxflo	1"	1" x 1 1/4"	0	12	570	870			

MINIFASTFLO



FASTFLO



SUPERFLO



MAXFLO



F threa. fitting	Code	€	Male-male adapter Ø	Code	€	F threaded fitting	Code	€	F threaded fitting	Code	€
1/2"	SGL021	51,50	1" x 1/2" Short	SGL050	43,24	1/2"-3/4" Short Nylon	SGL005*	50,77	3/4" x 1" x 1 1/4"	SGL003	96,07
3/4"	SGL022	51,50	1" x 3/4" Short	SGL051	43,24	3/4"-1" Short Nylon	SGL015	53,63	1" x 3/4" Long	SGL011	124,82
1"	SGL023	51,50	1" x 1" Short	SGL052	43,24	3/4"-1" Nylon	SGL001	51,69	1 1/4" x 1" Long	SGL012	120,03
			1" x 1/2" Long	SGL053	47,26	3/4"-1" - Long Nylon	SGL008	61,04			
			1" x 3/4" Long	SGL054	47,26	1"-3/4" Short Ottone	SGL016	118,86			
			1" x 1" Long	SGL055	47,26	3/4"-1" Ottone	SGL006	122,45			
						1/2"-3/4" Long Ottone	SGL010	131,42			

Price includes arm, threaded fitting and adapter
Floating sphere not included

*While stocks last
Floating sphere not included

LEVELLERS VALVES

Discount category C



APPLICATION

- **Leveller:** dual intervention float, min and max level - supply high flow-rate - excellent fillings control by pumps
- **Rapidflo:** limited double intervention flow (50/100 cm) - supply high flow-rate
- Rapidflo is the perfect choice for storage systems that combine rain collection with additional pumping from alternative sources
- The pump should only run when the rain level is low and the tank needs partial filling from the alternative source

FEATURES

- Floats with double intervention hole for tanks and large volume basins
- Low sensitivity to impurity and dirty water
- Soft driving to handle water hammers

SPECIFICS

- Working pressure: 0,2 ÷ 12 bar
- Maximum operating pressure referred to 20° C
- Max working temperature 60° C
- UV resistant

MATERIALS

- Acetal resin
- Fiberglass reinforced nylon
- Stainless steel and brass
- TPU seals
- Polyester cables - PeAD float

Model	Threaded input inches	Input adapter inches	Pressure		Q _{nom}	
			Min bar	Max bar	2 bar l/m	5 bar l/m
Leveller	1"	1" x 1"	0,2	12	570	850
Rapidflo	1"	1" x 1/2"	0,2	12	570	570
Rapidflo	1"	1" x 3/4"	0,2	12	570	570
Rapidflo	1"	1" x 1"	0,2	12	570	570

RAPID FLO



LEVELLER



F thr. fitt.	Code	€	F thr. fitt.	Code	€
1/2"-3/4"-1"	SGL060	347,94	1" - 1 1/4"	SGL004	307,03

HANSEN LEVELLERS ACCESSORIES

MALE THREADED ADAPTERS



FASTFLO FLOAT



SUPERFLO FLOAT

Ø	Code standard body	€	Code long body	€	Code	Description	€	Code	Description	€
1" x 1/2"	SGLA001	5,76	SGLA007	13,13	SGL017	Blue threaded ball x SUPERFLO/FASTFLO 115 mm	14,60	SGL002	Blue threaded ball for stainless pin Ø 140 mm	12,83
1" x 3/4"	SGLA002	5,76	SGLA008	13,13				SGL013	Yellow threaded ball for stainless pin Ø 140 mm	15,15
1" x 1"	SGLA003	5,76	SGLA009	13,13						
1" x 1 1/4"	SGLA004	5,76	SGLA010	16,72						
1" x 1 1/2"	SGLA005	15,70								
1" x 2"	SGLA006	15,70								

All levellers are equipped with male threaded adapters

PRE-CALIBRATED PRESSURE REDUCERS



APPLICATION

- Suitable for drip irrigation systems and sprinkling systems

FEATURES

- Low weight losses (0,34 bar)
- PRLV and PRXFLV models allow to keep 1,03 bar pressure downstream in static conditions as well (no flow)

Code	Mod.	In/out couplings	Flow-rate l/h		Precalibrated bar	€
			Min	Max		
FRP231	PRLG	¾" F/M	114	1.590	1,03	18,41
FRP234	PRLG	¾" F/M	114	1.590	2,07	18,41
FRP236	PRLG	¾" F/M	114	1.590	2,76	18,41
FRP249	PSR-2	¾" F	114	3.407	1,03	18,87
FRP252	PSR-2	¾" F	114	3.407	2,07	18,87
FRP255	PSR-2	¾" F	114	3.407	3,45	18,87
FRP259	PMR MF	¾" F	454	4.543	1,03	29,89
FRP262	PMR MF	¾" F	454	4.543	2,07	29,89
FRP265	PMR MF	¾" F	454	4.543	3,45	29,89
FRP270	PMR MF	1" F	454	4.543	1,03	29,89
FRP273	PMR MF	1" F	454	4.543	2,07	29,89
FRP276	PMR MF	1" F	454	4.543	3,45	29,89
FRP286	PR HF	1"¼ F	2.271	7.268	1,03	62,78
FRP289	PR HF	1"¼ F	2.271	7.268	2,07	62,78
FRP291	PR HF	1"¼ F	2.271	7.268	3,45	62,78
FRP293	PRU	2" F	4.543	22.713	1,03	264,95
FRP296	PRU	2" F	4.543	22.713	2,07	264,95
FRP298	PRU	2" F	4.543	22.713	3,45	264,95

ADJUSTABLE PRESSURE REDUCERS



APPLICATION

- Suitable for drip irrigation systems and sprinkling systems

FEATURES

- Dynamic pressure regulator
- Minimal pressure drops during operation
- Adjustable outlet pressure
- Maintainable

Code	Ø	Bar	Q m³/h	€
FRP201	¾" F/M	0,8 ÷ 2,5	0,20 ÷ 5	22,00
FRP202	¾" F/M	2 ÷ 4	0,20 ÷ 5	22,00
FRP209	1" F	1 ÷ 2	0,45 ÷ 7	55,00
FRP210	1" F	1,5 ÷ 3,5	0,45 ÷ 7	55,00
FRP221	1" ½ F	1 ÷ 2	0,45 ÷ 18	135,00
FRP222	1" ½ F	1,5 ÷ 3,5	0,45 ÷ 18	135,00

100 SERIES HYDROVALVES



Discount category D



APPLICATION

- Fluid regulation and control in irrigation systems, civil and industrial

SPECIFICS

- Compatible with Greenapp system
- Hydraulic drive valves with network pressure
- Hydraulically controlled open/close
- Plastic body valve for industrial applications
- Long term duration, cavitation and chemical products resistant
- "Y" body valve with "free flow" design
- Ultra-high flow-rate
- Low load losses
- Maximum pressure 10 bar

FEATURES

- An ultra flexible diaphragm and a controlled closure ensure a total passage giving a precise and steady regulation
- An extremely high flow-rate is assured
- The unique high flow body design, allows different kinds of use, and different connection possible
- Body and special flanges allow to isolate the valve from vibration stress
- Mechanical closure supplied as standard
- Manual selector 3 positions included

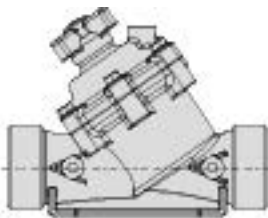
MATERIALS

- Body, cap and shutter: black polyamide (nylon) - 6 30GF
- Diaphragm: NR
- Seals: NR
- Spring: stainless steel
- Cap bolts: stainless steel

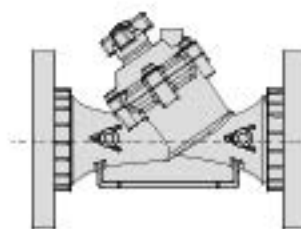
KV FLOW-RATE FEATURE (m³/h at 1 bar load loss)

Dimension	DN	40	50	50	50L	65	80	80	80L	80L	100	100	100L	150R	150
	Inches	1½	2"	2"	2"L	2½	3"	3"	3"L	3"L	4"	4"	4"L	6"R	6"
Body		Y	Y	A	Y	Y	Y	A	Y	A	Y	A	Y	Y	Y
Kv		50	50	50	100	100	100	85	200	190	200	190	340	340	400

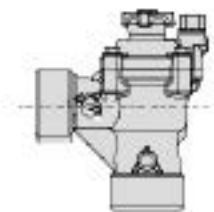
Available models



Threaded Y in line
1½ ÷ 4"



Flanged Y in line
DN50 ÷ 150



Angle threaded
2" ÷ 3"

MECHANICAL CLOSING



HYDRAULIC RELÈ



In line Y threaded			Angle, threaded		In line Y flanged			In line Y threaded			Angle, threaded		In line Y flanged		
Ø	Code	€	Code	€	Ø	Code	€	Ø	Code	€	Code	€	Ø	Code	€
1"½	FERB003	143,00						1"½	FERB691	217,00					
2"	FERB004	148,00						2"	FERB692	222,00					
2"L	FERB005	158,00							FERB693	232,00					
2"½	FERB006	173,00							FERB694	247,00					
3"	FERB007	182,00	FERB009	182,00	DN80	FERB011	262,00	3"	FERB695	256,00	FERB697	256,00	DN80	FERB700	369,00
3"T	FERB600	181,00			DN80L	FERB012	393,00	3"L	FERB696	388,00	FERB698	388,00	DN80L	FERB715	468,00
3"L	FERB008	314,00	FERB010	314,00	DN100	FERB013	416,00	2"L					DN100	FERB716	489,00
					DN100-L	FERB016	676,00	2"½					DN100-L	FERB717	791,00
					DN150-R	FERB015	785,00								
					DN150	FERB014	1,231,00						DN150	FERB718	1,304,00

ELECTRIC CONTROL 24V AC



In line Y threaded			Angle, threaded		In line Y flanged			In line Y threaded			Angle, threaded		In line Y flanged		
Ø	Code	€	Code	€	Ø	Code	€	Ø	Code	€	Code	€	Ø	Code	€
24V AC (3-way solenoid)							24V AC (2-way solenoid)								
1"½	FERB031	192,00													
2"	FERB032	198,00						2"L	FERB027	174,00					
2"L	FERB033	208,00						2"½	FERB028	189,00					
2"½	FERB034	222,00						3"	FERB029	194,00	FERB217	200,00	DN80	FERB030	274,00
3"	FERB035	231,00	FERB037	231,00	DN80	FERB039	310,00	3"T	FERB603	194,00					
3"T	FERB604	231,00			DN80L	FERB040	479,00								
3"L	FERB036	364,00	FERB038	364,00	DN100	FERB041	499,00								
					DN100-L	FERB620	766,00								
					DN150-R	FERB621	952,00								
					DN150	FERB042	1,315,00								

ELECTRIC CONTROL 12V DC



In line Y threaded			Angle, threaded		In line Y flanged			In line Y threaded			Angle, threaded		In line Y flanged		
Ø	Code	€	Code	€	Ø	Code	€	Ø	Code	€	Code	€	Ø	Code	€
12V DC Latch (3-way solenoid)							12V DC Latch (2-way solenoid)								
1"½	FERB049	213,00													
2"	FERB050	218,00						2"L	FERB045	200,00					
2"L	FERB051	229,00						2"½	FERB046	212,00					
2"½	FERB052	244,00						3"	FERB047	219,00	FERB616	219,00	DN80	FERB048	298,00
3"	FERB053	251,00	FERB055	251,00	DN80	FERB057	331,00	3"T	FERB605	219,00					
3"T	FERB606	252,00			DN80L	FERB058	464,00								
3"L	FERB054	384,00	FERB056	384,00	DN100	FERB059	485,00								
					DN100-L	FERB622	824,00								
					DN150-R	FERB623	973,00								
					DN150	FERB060	1,301,00								

100 SERIES HYDROVALVES



Discount category D

3-WAY PRESSURE REDUCTION



In line Y threaded			Angle, threaded		In line Y flanged			In line Y threaded			Angle, threaded		In line Y flanged		
Ø	Code	€	Code	€	Ø	Code	€	Ø	Code	€	Code	€	Ø	Code	€
3-way pilot							3-way pilot + hydraulic relè								
1"½	FERB073	327,00						1"½	FERB097	399,00					
2"	FERB074	335,00						2"	FERB098	407,00					
2"L	FERB075	340,00						2"L	FERB099	413,00					
2"½	FERB076	354,00						2"½	FERB100	428,00					
3"	FERB077	359,00	FERB079	359,00	DN80	FERB081	439,00	3"	FERB101	371,00	FERB103	371,00	DN80	FERB105	513,00
3"T	FERB608	359,00						3"T	FERB609	434,00					
3"L	FERB078	466,00	FERB080	466,00	DN80L	FERB082	545,00	3"L	FERB102	541,00	FERB104	541,00	DN80L	FERB106	618,00
					DN100	FERB083	570,00						DN100	FERB107	642,00
					DN100-L	FERB626	875,00						DN100-L	FERB628	948,00
					DN150-R	FERB627	938,00						DN150-R	FERB629	1.096,00
					DN150	FERB084	1.494,00						DN150	FERB108	1.564,00
3-way pilot + 24 V solenoid							3-way pilot + 12 V DC latch solenoid								
1"½	FERB121	377,00						1"½	FERB133	398,00					
2"	FERB122	383,00						2"	FERB134	404,00					
2"L	FERB123	388,00						2"L	FERB135	409,00					
2"½	FERB124	404,00						2"½	FERB136	423,00					
3"	FERB125	409,00	FERB127	410,00	DN80	FERB129	490,00	3"	FERB137	431,00	FERB139	431,00	DN80	FERB141	510,00
3"T	FERB612	392,00						3"T	FERB618	412,00					
3"L	FERB126	515,00	FERB128	515,00	DN80L	FERB130	594,00	3"L	FERB138	537,00	FERB140	537,00	DN80L	FERB142	575,00
					DN100	FERB131	618,00						DN100	FERB143	638,00
					DN100-L	FERB632	924,00						DN100-L	FERB634	903,00
					DN150-R	FERB633	1.074,00						DN150-R	FERB635	1.009,00
					DN150	FERB132	1.544,00						DN150	FERB144	1.564,00

2-WAY PRESSURE REDUCTION



TOP



In line Y threaded			Angle, threaded		In line Y flanged			In line Y threaded			Angle, threaded		In line Y flanged		
Ø	Code	€	Code	€	Ø	Code	€	Ø	Code	€	Code	€	Ø	Code	€
2-way pilot + 24 V solenoid							3-way integral pilot								
1"½	FERB109	378,00						1"½	FERB280	278,00					
2"	FERB110	384,00						2"	FERB281	281,00					
2"L	FERB111	390,00						2"L	FERB282	289,00					
2"½	FERB112	404,00						2"½	FERB283	301,00					
3"	FERB113	410,00	FERB115	410,00	DN80	FERB117	490,00	3"	FERB284*	307,00	FERB287	309,00	DN80	FERB286	378,00
3"T	FERB611	410,00						3"	FERB285	309,00					
3"L	FERB114	360,00	FERB116	596,00	DN80L	FERB118	596,00								
					DN100	FERB119	616,00								
					DN100-L	FERB630	924,00								
					DN150-R	FERB631	1.073,00								
					DN150	FERB120	1.544,00								

*Without manual closure

For the choice of the correct pilot go to page 139

PRESSURE SUSTAIN



In line Y threaded			Angle, threaded			In line Y flanged			In line Y threaded			Angle, threaded			In line Y flanged		
Ø	Code	€	Code	€		Ø	Code	€	Ø	Code	€	Code	€		Code	€	
3-way pilot									3-way pilot + 24 V solenoid								
1"½	FERB157	327,00	FERB163	360,00		1"½	FERB169	378,00	FERB175	409,00		DN80	FERB177	490,00			
2"	FERB158	335,00				2"	FERB170	383,00				DN80L	FERB178	595,00			
2"L	FERB159	340,00				2"L	FERB171	388,00				DN100	FERB179	618,00			
2"½	FERB160	354,00				2"½	FERB172	404,00				DN100-L	FERB640	924,00			
3"	FERB161	359,00				3"	FERB173	409,00				DN150-R	FERB641	989,00			
3"T	FERB614	359,00				3"T	FERB615	410,00				DN150	FERB180	1.544,00			
3"L	FERB162	466,00	FERB164	466,00	DN80L	FERB166	545,00	3"L	FERB174	515,00	FERB176	515,00	DN80L	FERB178	595,00		
					DN100	FERB167	570,00						DN100	FERB179	618,00		
					DN100-L	FERB638	875,00						DN100-L	FERB640	924,00		
					DN150-R	FERB639	1.023,00						DN150-R	FERB641	989,00		
					DN150	FERB168	1.494,00						DN150	FERB180	1.544,00		

REDUCTION + PRESSURE SUSTAIN



RAPID PRESSURE RELEASE



In line Y threaded			Angle, threaded			In line Y flanged			In line Y threaded			Angle, threaded			In line Y flanged		
Ø	Code	€	Code	€		Ø	Code	€	Ø	Code	€	Code	€		Code	€	
3-way pilot + 3-way pilot									2-way pilot								
1"½	FERB145	438,00	FERB151	472,00	DN80	FERB153	552,00	1"½	FERB181	327,00	FERB187	359,00	DN80	FERB189	440,00		
2"	FERB146	444,00				DN80L	FERB154	633,00	2"	FERB182				335,00	DN80L	FERB190	545,00
2"L	FERB147	449,00				DN100	FERB155	695,00	2"L	FERB183				340,00	DN100	FERB191	528,00
2"½	FERB148	470,00				DN100-L	FERB636	958,00	2"½	FERB184				354,00	DN100-L	FERB642	834,00
3"	FERB149	490,00				DN150-R	FERB637	1,061,00	3"	FERB185				359,00	DN150-R	FERB643	940,00
3"T	FERB613	472,00				DN150	FERB156	1,613,00	3"L	FERB186				466,00	DN150	FERB192	1.494,00
3"L	FERB150	554,00	FERB152	554,00													

MODULATING LEVEL CONTROL



In line Y threaded			Angle, threaded			In line Y flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€
2-way pilot								
1"½	FERB193	306,00						
2"	FERB194	315,00						
2"L	FERB195	294,00						
2"½	FERB196	306,00						
3"	FERB197	343,00	3"	FERB199	362,00	DN80	FERB201	441,00
3"L	FERB198	451,00	3"L	FERB200	492,00	DN80L	FERB202	572,00
						DN100	FERB203	593,00
						DN150	FERB204	1.410,00

For the choice of the correct pilot go to page 139

200 SERIES HYDROVALVES

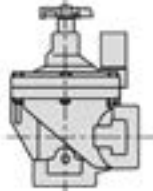


Discount category A



G

A



APPLICATION

- Regulation and control of fluids in irrigation systems

SPECIFICS

- Hydraulic drive valve by network pressure
- Hydraulically controlled on/off
- Plastic body valve for low pressure irrigation
- Long-term duration, cavitations and chemical products resistant
- Outflow high efficiency body valve
- Low load loss
- Maximum pressure 10 bar

FEATURES

- An ultra flexible diaphragm and a controlled closure ensure a total passage allowing a precise and steady adjustment
- An extremely high flow-rate is always ensured
- Angle or in line body design assures a hydraulic path free from cloggings and high hydrodynamic efficiency
- Flow control 3/4" and 1" on request
- Flow control 1 1/2" and 2" standard

MATERIALS

- Body, cap and shutter: 630GF black polyamide (nylon)
- Diaphragm: NBR
- Seals: NBR
- Spring: stainless steel
- Cap bolts: stainless steel

KV FLOW-RATE FEATURE (m³/h at 1 bar load loss)

Dimension	DN	12	20	25	40	40	50	50
	Inches	1/2"	3/4"	1"	1 1/2"	1 1/2"	2"	2"
	Body	G	G	G	G	A	G	A
	Kv	4	9	9	37	41	47	52

BODY BASE



In line Y threaded			Angle, threaded		
Ø	Code	€	Code	€	
1"	OVB241	36,00			
1 1/2"	OVB242	90,00	OVB244	90,00	
2"	OVB243	104,00	OVB245	104,00	

ELECTRIC CONTROL WITH TROTTLING



In line Y threaded			Angle, threaded			In line Y threaded		Angle, threaded	
Ø	Code	€	Code	€	Code	€	Code	€	€
						12 V DC latch solenoid			
1 1/2"	OVB214	134,00	OVB216	134,00	OVB204	108,00	OVB206	108,00	
2"	OVB215	146,00	OVB217	146,00	OVB205	124,00	OVB207	124,00	
						24 V solenoid			

ELECTRIC CONTROL WITHOUT TROTTLING*



In line Y threaded			In line Y threaded		
Ø	Code	€	Code	€	
12 V DC latch solenoid			24 V solenoid		
¾"	OVB210	74,00	OVB200	54,00	
1"	OVB211	74,00	OVB201	54,00	

*Available on request with trotting

PRESSURE REDUCTION



In line Y threaded			Angle, threaded		In line Y threaded		In line Y threaded	
Ø	Code	€	Code	€	Code	€	Code	€
3-way pilot				3-way pilot + solenoid				
				24 V AC		12 V DC Latch		
1½"	OVB220	222,00	OVB222	232,00	OVB226	269,00	OVB230	290,00
2"	OVB221	256,00	OVB223	256,00	OVB227	306,00	OVB231	328,00

TOP



In line Y threaded							
Ø	Code	€	Code	€	Code	€	
3-way integral pilot							
Reduction			Reduction + 24 V solenoid		Reduction + 9 V solenoid		
1½"	OVB400	203,00	OVB402	242,00	OVB404	268,00	
2"	OVB401	233,00	OVB403	276,00	OVB405	303,00	

GREENAPP



In line Y threaded			Angle, threaded	
Ø	Code	€	Code	€
Integrated 9V controller				
¾"	OVB040	251,00		
1"	OVB041	251,00		
1½"	OVB042	256,00	OVB043	256,00
2"	OVB044	262,00	OVB045	262,00

*Available on request with trotting

400 SERIES HYDROVALVES



Discount category D



APPLICATION

- Regulation and control of fluids in irrigation systems for consortium and aqueducts

SPECIFICS

- Hydraulic driving valve by network pressure
- Hydraulically controlled on/off
- Operating pressure: 0.5 ÷ 16 bar
- Water temperature up to 60°C
- Low pressure irrigation
- Long-term duration, chemical products resistant
- Low load losses

FEATURES

- A balanced membrane ensure a total passage allowing a precise and steady adjustment
- In line body design assures a hydraulic path free from cloggings

MATERIALS

- Body, cap and shutter: EN 1561 cast iron
- Diaphragm: NBR
- Spring: stainless steel
- Cap bolts: stainless steel
- Paint: polyester-green colour



G



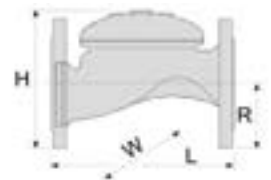
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KV FLOW-RATE FEATURE (m³/h at 1 bar load loss)

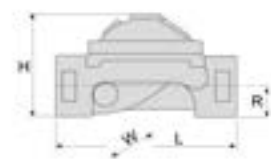
Dimension	DN	25	40	50	50	65	65	80	80	100	100	150	200
	Inches	1	1½	2	2	2½	2½	3	3	4	4	6	8
Body		G	G	G	A	G	A	G	A	G	A	G	G
Kv		13	57	57	71	78	88	136	152	204	225	448	781

DIMENSIONS AND WEIGHT

Flanged					
Dimensions (mm)	DN	80	100	150	200
	Inches	3"	4"	6"	8"
L		250	320	415	500
H		210	242	345	430
W		200	223	306	365
R		100	112	140	170
Weight (Kg)		19	28	68	125



Threaded					
Dimensions (mm)	DN	40	50	65	80
	Inches	1½"	2"	2½"	3"
L		153	180	210	255
H		87	114	132	165
W		98	119	129	170
R		29	39	45	55
Weight (Kg)		2	4	5,7	13



BODY BASE



HYDRAULIC CONTROL



In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
						3-way sagive					
1½"	FERB400	155,00				1½"	FERB413	188,00			
2"	FERB401	167,00				2"	FERB414	195,00			
2½"	FERB403	235,00				2½"	FERB416	263,00			
3"	FERB405	381,00	DN80	FERB407	412,00	3"	FERB418	409,00	DN80	FERB420	444,00
			DN100	FERB409	621,00				DN100	FERB422	649,00
			DN150	FERB411	1,315,00				DN150	FERB424	1,348,00
			DN200	FERB412	2,275,00						

ELECTRIC CONTROL



In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
24V AC 3-way solenoid						3-way 9V DC solenoid					
1½"	FERB425	195,00				1½"	FERB440	216,00			
2"	FERB426	204,00				2"	FERB441	225,00			
2½"	FERB428	278,00				2½"	FERB443	301,00			
3"	FERB430	437,00	DN80	FERB432	467,00	3"	FERB445	458,00	DN80	FERB447	487,00
			DN100	FERB434	677,00				DN100	FERB449	698,00

PRESSURE REDUCTION



In line threaded			In line flanged			In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way pilot						3-Way Pilot + solenoid 24V						3-way pilot + 12 V DC solenoid					
1½"	FERB455	296,00				1½"	FERB482	350,00				1½"	FERB500	372,00			
2"	FERB456	308,00				2"	FERB483	356,00				2"	FERB501	377,00			
2½"	FERB458	385,00				2½"	FERB485	439,00				2½"	FERB503	460,00			
3"	FERB460	521,00	DN80	FERB462	558,00	3"	FERB487	575,00	DN80	FERB489	607,00	3"	FERB505	595,00	DN80	FERB507	629,00
			DN100	FERB464	766,00				DN100	FERB491	817,00				DN100	FERB509	838,00

REDUCTION + PRESS. SUSTAIN

PRESSURE SUSTAIN

RAPID PRESSURE RELEASE



In line threaded			In line flanged			In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way pilot + 3-way pilot						3-way pilot						2-way pilot					
1½"	FERB515	447,00				1½"	FERB545	296,00				1½"	FERB530	373,00			
2"	FERB516	453,00				2"	FERB546	308,00				2"	FERB531	375,00			
2½"						2½"	FERB548	385,00				2½"	FERB533	440,00			
3"	FERB520	666,00	DN80	FERB522	697,00	3"	FERB550	521,00	DN80	FERB552	558,00	3"	FERB535	587,00	DN80	FERB537	626,00
			DN100	FERB524	766,00				DN100	FERB554	766,00				DN100	FERB539	796,00

For the choice of the correct pilot go to page 139

350 SERIES BACKWASH HYDROVALVES



Discount category F



APPLICATION

- 3 ways backwash valves

SPECIFICS

- Hydraulic drive valve by network pressure
- Hydraulically controlled on/off
- Hydraulic piston controlled by double chamber actuator
- Polyamide body valve
- Low pressure irrigation
- Long-term duration, chemical products resistant
- Low load losses

FEATURES

- Protected membrane
- Easy inspection and maintenance
- The valve body ensures a hydraulic path free from cloggings
- Tee structure for an easy installation

MATERIALS

- Body: polyamide/metal
- Cap: acetal copolymer
- Diaphragm: nylon reinforced NBR
- Spring: stainless steel
- Axis: stainless steel
- Cap bolts: steel

KV FLOW-RATE FEATURE (m³/h at 1 bar load loss)

2" x 2" P	3" x 3" P	3" x 2" CC	4" x 4" P
--------------	--------------	---------------	--------------



filtration 1-C 52 110 120 225



washing C-2 48 100 60 205



filtration 2-C 46 93 - 190



washing C-1 60 122 - 250

AVAILABLE FITTINGS

Ø	Gate C	Gate 2	Gate 1
2" x 2"	threaded 2" Victaulic 2" (with adapters)	threaded 2" Victaulic 2" (with adapters)	threaded 2" Victaulic 2" (with adapters)
3" x 3" 3" x 3" / 2"	Victaulic 3"	Victaulic 3"	Victaulic 3" grooved 3" x Int. threaded 2"
3" x 3" / 2" CC	Victaulic 3"	grooved 3" x Int. threaded BSP 2"	Victaulic 3"
4" x 4" 4" x 4" / 3"	Victaulic 4"	Victaulic 4"	Victaulic 4" grooved 4" x Int. threaded 3"



BODY BASE



HYDRAULIC CONTROL



ELECTRIC CONTROL



Ø	Mat.	Code	€	Mat.	Code	€	Mat.	Code	€	Mat.	Code	€
				3-way sagive			24V solenoid			9V DC latch solenoid		
2" x 2"	plastic	FERB350	254,00	plastic	FERB360	289,00	plastic	FERB370	304,00	plastic	FERB375	324,00
Victaulic 3"	plastic	FERB351	590,00	plastic	FERB361	625,00	plastic	FERB371	640,00	plastic	FERB376	658,00
Victaulic 4"	plastic	FERB354	775,00	plastic	FERB364	809,00	plastic	FERB374	822,00	plastic	FERB379	843,00
Victaulic 3" x 2"	metallo	FERB353	REQ.	metallo	FERB363	RICH	metallo	FERB373	REQ.	metallo	FERB378	REQ.

650 SERIES BACKWASH HYDROVALVES



APPLICATION

- Three-way valves for backwashing with manual control Sagiv

SPECIFICS

- Hydraulically operated valve with line pressure
- Hydraulically controlled opening/closing
- Hydraulic piston controlled by double chamber actuator
- Valve with cast iron body
- For low pressure applications
- High durability, resistant to chemicals
- Low pressure drop

FEATURES

- Protected diaphragm
- Easy inspection and maintenance
- Valve body ensures unobstructed hydraulic pathway
- T-shaped design for easy installation
- 16 bar model available on request

MATERIALS

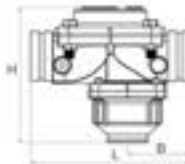
- Body and cover: cast iron
- Diaphragm: NBR reinforced nylon
- Spring: stainless steel
- Axis: stainless steel
- Cover bolts: steel

FLOW RATES AND KV (m³/h at 1 bar load loss)

Description	3" x 2"	4" x 3"
Maximum flow rate filtration	90	160
Maximum backwash flow rate	40	90
Kv in filtration	130	160
Kv in backwash	58	70
Maximum pressure bar	10	10

DIMENSIONS (MM) E WEIGHT (KG)

Model	H	B	L	Weight
Vict./thr. 2" x 2"	190	90	180	3,80
Victaulic 3" x 2"	246	114	290	15,95
Victaulic 4" x 3"	246	128	317	17,25
Flanged 3" x 2"	246	114	290	22,45
Flanged 4" x 3"	246	128	317	25,00



BODY BASE



Ø	Att.	Code	€
2" x 2"	threaded	FERV382	337,41
3" x 2"	victaulic	FERV391	391,23
3" x 2"	flanged	FERV403	457,47
4" x 3"	victaulic	FERV392	494,73
4" x 3"	flanged	FERV404	577,53

IDROVALVOLE SERIE 303



APPLICATION

- Regulation and control of fluids in irrigation systems

SPECIFICS

- Hydraulic drive valve by network pressure
- Hydraulically controlled on/off
- Fiberglass reinforced nylon body valve
- Low pressure irrigation
- Long-term duration, chemical products resistant
- Low load losses

FEATURES

- An ultra flexible diaphragm and a controlled closure ensure a total passage allowing a precise and steady adjustment
- Angle or in line body design assures a hydraulic path free from cloggings and high hydrodynamic efficiency

MATERIALS

- Body, cap and shutter: fiberglass reinforced nylon
- Diaphragm: rubber
- Spring: stainless steel
- Cap bolts: stainless steel

ELECTRIC CONTROL



In line Y threaded			Angle, threaded		In line Y threaded		Angle, threaded	
Ø	Code	€	Code	€	Code	€	Code	€
24 V AC with flow control					9 V DC Latch with flow control			
3"	OVB300	173,88	OVB301	451,00	OVB309	309,12	OVB302	473,00

600 SERIES HYDROVALVES

Discount category A



KV FLOW-RATE FEATURE (m³/h at 1 bar load loss)

DN		100	125	500	600
Ø	In.	1"½	2"	3"	
	Kv	50	50	100	150 250 500 600

APPLICATION

- Fluids regulation and control in irrigation systems

SPECIFICS

- Totally gray cast iron valve
- Hydraulic drive valve by network pressure
- Hydraulically controlled on/off
- Low pressure irrigation
- Long-term duration, chemical products resistant
- Low load losses

FEATURES

- Precise and steady regulation free from cloggings
- The valve body ensures a hydraulic path
- Membranes set for different pressures

MATERIALS

- Body, cap and shutter: G29 cast iron
- Diaphragm: neoprene
- Spring: stainless steel
- Cap bolts: stainless steel
- Paint:
 - polyester/green colour
 - polyester/blue colour (while stocks last)

BODY BASE



HYDRAULIC CONTROL



In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way sagive											
2"	FERV101	95,00				2"	FERV141	140,00			
2"½	FERV102	114,00				2"½	FERV142	159,00			
3"	FERV103	196,00	DN80	FERV110	302,00	3"	FERV143	232,00	DN80	FERV150	345,00
4"	FERV105	394,40	DN100	FERV111	422,00	4"	FERV144	437,88	DN100	FERV151	458,00
			DN125	FERV112	467,00				DN125	FERV152	550,00
			DN150	FERV113	1.053,95				DN150	FERV153	1.103,66
			DN200	FERV120	3.340,00				DN200	FERV154	3.445,00

ELECTRIC CONTROL



In line threaded			In line flanged			In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-way solenoid 9 bar 24V						3-way solenoid 9 bar 24V - NO Valve						3-way solenoid DC latch 6 - 40 V					
2"	FERV221	223,00				2"	FERV241	226,00				2"	FERV261	239,00			
2"½	FERV222	240,00				2"½	FERV242	240,00				2"½	FERV262	252,00			
3"	FERV223	320,00	DN80	FERV230	431,00	3"	FERV243	320,00	DN80	FERV250	431,00	3"	FERV263	333,00	DN80	FERV270	419,00
4"	FERV224	486,01	DN100	FERV231	530,00	4"	FERV244	486,01	DN100	FERV251	530,00	4"	FERV264	543,00	DN100	FERV271	515,00
			DN125	FERV232	609,00				DN125	FERV252	609,00				DN125	FERV272	699,00
			DN150	FERV233	1.158,65				DN150	FERV253	1.158,65				DN150	FERV273	1.170,81
			DN200	FERV234	REQ.				DN200	FERV254	3.445,00				DN200	FERV274	REQ.

For the choice of the correct pilot go to page 139

600 SERIES HYDROVALVES

Discount category A

PRESSURE REDUCTION

PRESSURE SUSTAIN



In line threaded			In line flanged			In line threaded			In line flanged			In line threaded			In line flanged		
Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€	Ø	Code	€
3-Way Pilot 12 bar						3-Way Pilot + solenoid 24V						3-Way Pilot 12 bar					
2"	FERV321	347,00				2"	FERV361	436,00				2"	FERV341	466,00			
2½"	FERV322	362,00				2½"	FERV362	449,00				2½"	FERV342	481,20			
3"	FERV323	442,00	DN80	FERV330	552,00	3"	FERV363	530,00	DN80	FERV370	641,00	3"	FERV343	520,00	DN80	FERV350	605,00
4"	FERV324	587,00	DN100	FERV331	626,00	4"	FERV364	675,00	DN100	FERV371	737,00	4"	FERV344	721,00	DN100	FERV351	725,80
			DN125	FERV332	669,00				DN125	FERV372	777,00				DN125	FERV352	816,00
			DN150	FERV333	REQ.				DN150	FERV373	REQ.				DN150	FERV353	REQ.
			DN200	FERV334	REQ.				DN200	FERV374	REQ.				DN200	FERV354	REQ.

WATER METERS

ELECTROMAGNETIC COUNTER



- Electromagnetic water meter
- Battery Power: 3.6V lithium battery
- Degree of protection: IP
- Power consumption 0.25 / 1 W
- Reduced maintenance
- No straight sections in and out

DESCRIPTION



Discount category F

SPECIFICS

- 2 dry contact outputs – minimum pulse duration 5 ms
- Bluetooth

FEATURES

- Stable measurement even at low flow rates
- LCD display, with dedicated status icons

Code	Ø	Flow-rate m ³ /h				P max bar	€
		Q min Q1	Q t	Qn	Q max		
FCM020	Dn 50 – 2"	0,1	0,16	40	50	16	1.011,00
FCM030	Dn 80 – 3"	0,25	0,4	100	125	16	1.108,00
FCM040	Dn 100 – 4"	0,4	0,64	160	200	16	1.203,00

SUPERDRY ALFA SERIES

Discount category A



FEATURES

- Turbine water meter for cold water, single-jet water meter with straight reading on numbered protected rollers.
- On request, hot water version up to 90°C temperature
- Dry dial with special magnetic anti-fraud screen
- Magnetic transmission
- Hermetic seal watch, vacuum and anti-fog
- Certified frost resistance
- Brass cage
- CEE 75/33 - B class patented

FLOW-RATES AND DIMENSIONS

Ø	Q _{min}	Q _t	Q _n	Q _{max}	P _{max} bar	Length	Width	Code	Ø	€
	l/h	m ³ /h				mm.				
½"	25 ÷ 30	120	1,5 ÷ 2,5	3	16	110	72	FCA090	½"	38,30
¾"	50	200	2,5	5	16	130	72	FCA091	¾"	49,30

WATER METERS

Discount category A

SUPERDRY BETA SERIES



FEATURES

- Multi-jet water meter for cold and warm water, with brass ring and mineral glass (fixed tight counter), straight reading on 5 numbered rollers
- 360° adjustable dry dial, with special magnetic anti-fraud screen
- Magnetic transmission
- Hermetic seal watch, vacuum and anti-fog
- Brass cage for 2" model
- CEE 75/33 - B class patented
- Maximum pressure 16 bar

FLOW-RATES AND DIMENSIONS

Ø	Q _{max}	Q _n	Q _t	Q _{min}	Length	Width	Height	Weight
	m ³ /h		l/h					
½"	3	1,5	120	30	165	99	107	1,20
¾"	5	2,5	200	50	190	99	109	1,45
1"	7	3,5	280	70	260	104	115	2,00
1"¼	12	6,0	400	100	260	104	120	2,30
1"½	20	10,0	800	200	300	125	148	4,20
2"	30	15,0	3.000	450	300	125	173	9,60
2"FL	30	15,0	3.000	450	300	125	173	9,60

1 bar load loss at Q_{max}

PULSE OUTPUT

Ø	Without		K=1		K=10	
	Code	€	Code	€	Code	€
½"	FCA009	73,80	FCA628	124,80	FCA609	124,80
¾"	FCA010	89,30	FCA629	140,30	FCA610	140,30
1"	FCA008	134,30	FCA630	185,30	FCA613	185,30
1"¼	FCA011	166,60	FCA631	217,60	FCA611	217,60
1"½	FCA012	272,00	FCA632	323,00	FCA615	323,00
2"	FCA015	363,80	FCA633	414,80	FCA614	414,80
2" FL	FCA018	334,60			FCA612	385,60

Available on request K=0,25/0,5/1/2,5/5/100

TANGENTIAL SERIES



FEATURES

- Turbine water meter for cold water, single tangential jet with straight reading on numbered rollers.
- On request, hot water version up to 60°C temperature
- Dry dial with special magnetic anti-fraud screen
- Magnetic transmission
- Hermetic seal removable watch, vacuum and anti-fog
- The reel only partially invades the passage section of the water
- Horizontal, vertical or inclined installation
- HT200 cast iron cage
- Flanged fittings
- CEE 75/33 - B class patented
- Maximum pressure 16 bar

FLOW-RATES AND DIMENSIONS

DN	Q _{max}	Q _n	Q _t	Q _{min}	Length	Width	Weight
	m ³ /h			mm			
50	70	35	10,5	2,8	200	160	11,7
65	100	50	15,0	4,0	200	175	12,2
80	150	75	22,5	6,0	225	196	14,3
100	250	125	37,5	10,0	250	215	17,6
125	350	175	52,5	14,0	250	245	18,0
150	500	250	75,0	20,0	300	280	26,8
200	900	450	135,0	36,0	360	330	38,8

P_{max} 16 bar
< 1 bar load loss at Q_{max}

WITHOUT PULSE OUTPUT

Code	DN	€
FCA600	50	309,40
FCA601	65	323,00
FCA602	80	357,00
FCA603	100	428,40
FCA604	125	465,80
FCA605	150	571,20
FCA606	200	703,80

Can be purchased separately device with pulse output K=100 - Code FCAR001
€ 70,00

WITH PULSE OUTPUT K=100

Code	DN	€
FCA622	50	377,40
FCA616	65	391,00
FCA617	80	425,00
FCA618	100	496,40
FCA619	125	533,80
FCA620	150	639,20
FCA621	200	771,80

DN50 ÷ DN125 K=100/1.000
From DN150 K=1.000/10.000

BERMAD/SC PILOTS



BERMAD PLASTIC MINIPILOTS

Code	Description	Model	Bar	€
APL013	3 ways, multifunction plastic	PC-Sharp X-P	0,5 ÷ 3	132,00
APL011	3 ways, multifunction plastic	PC-Sharp X-P	1 ÷ 7	133,00
APL017	3 ways, multifunction plastic	PC-Sharp X-P	0,8 ÷ 6,5	133,00
APL015	2 ways plastic pressure reducer	PC-20-A-P	0,8 ÷ 6,5	133,00
APL014	2 ways plastic pressure reducer	PC-20-A-P	0,5 ÷ 3	132,00
APL016	Pressure relief mini (quick type)	PC-30-P	0,8 ÷ 6,5	132,00
APL022	SERVO 2/3 ways	SERVO	0,5 ÷ 3,0	132,00
APL012	Reducer - sustain metal/plastic 3 ways	PC-X-M-P	1 ÷ 7	256,00
APL009	2 ways metal	#2PB	1 ÷ 16	307,00



FEATURES

- Necessary for fluids and pressures control in agricultural and industrial hydraulic systems
- Installed on a hydraulic base valve. By controlling the upper chamber of the valve several aims can be reached, as for example, pressure regulation and/or sustain of the pressure, or check valve or quick air valve

SC SERIES PLASTIC MINIPILOTS

Code	Description	€
FERC1536	3 ways SC plastic pilot valve for regulation	73,00



VALVES MINI FITTINGS

Code	Description	Ø	€
RTG001	Elbow	6 x 1/8" M	1,52
RTG002	Elbow	6 x 1/4" M	1,52
RTG003	Elbow	8 x 1/8" M	1,52
RTG004	Elbow	8 x 1/4" M	1,52
RTD001	Male fitting	6 x 1/8" M	1,28
RTD002	Male fitting	6 x 1/4" M	1,28
RTD003	Male fitting	8 x 1/8" M	1,28
RTD004	Male fitting	8 x 1/4" M	1,28
RTT320	Cap	1/8" M	2,48
RTT321	Cap	1/4" M	2,48
RTN001	Nipple	1/8" M x 1/8" M	2,48
RTN002	Nipple	1/4" M x 1/4" M	2,48
RTN003	Nipple	1/4" M x 1/8" M	2,48
RTT300	Tee	6 x 6 x 6	2,15
RTT301	Tee	8 x 8 x 8	2,15



Code	Description	Ø	€
RTT315	Tee	6 x 6 x 1/8" M	2,15
RTT316	Tee	6 x 6 x 1/4" M	2,15
RTT317	Tee	8 x 8 x 1/8" M	2,15
RTT318	Tee	8 x 8 x 1/4" M	2,15
RTT310	Tee	6 x 1/8" M x 6	2,15
RTT311	Tee	6 x 1/4" M x 6	2,15
RTT312	Tee	8 x 1/8" M x 8	2,15
RTT313	Tee	8 x 1/4" M x 8	2,15
RTM200	Sleeve	6 x 6	4,70
RTM201	Sleeve	8 x 8	4,70
RTM202	Sleeve	6 x 8	4,70
RTR099	Reduction	1/2" M x 1/8" F	1,68
RTR098	Reduction	1/2" M x 1/4" F	1,68
RTR097	Reduction	1/2" M x 3/8" F	1,68
FERC1645	3 ways valve	1/8" F x 1/8" F x 1/8" F x 1/4" M	21,50

HYDRAULIC CONTROL HOSE

Code	Material	Ø _{int/ext} mm	Box m	€
OTB083	PE black	5/8	150	0,570
OTB087	PE white	5/8	200	0,427



PRESSURE MEASUREMENT

Code	Description	Bar	€
FM0029	Gas fitting pressure gauge Ø 1/4" Ø dial 60 mm	0 ÷ 2,5	13,60
FM0100	Gas fitting pressure gauge Ø 1/4" Ø dial 60 mm	0 ÷ 4	13,60
FM0030	Gas fitting pressure gauge Ø 1/4" Ø dial 60 mm	0 ÷ 6	13,60
FM0035	Gas fitting pressure gauge Ø 1/4" Ø dial 60 mm	0 ÷ 12	13,60



ACCESSORIES

Discount category D



BERMAD/SC SOLENOIDS



Code	Description	Model	Voltage	Normal status	Current inrush (Amp)	Current hold (Amp)	Power (Watt)	€
ORV264	2 ways solenoid actuator	S-390-2W	12V DC	N.Box	0,33	0,330	4,0	19,00
ORV266	2 ways solenoid actuator	S-390-2W	24V DC	N.Box	0,18	0,180	3,6	19,00
ORV261	2 ways solenoid actuator	S-390-2W	24V AC	N.Box	0,25	0,125	1,7	19,00
ORV281	TRIO 2 ways solenoid actuator	S-390-T-2W	24V AC	N.Box	0,25	0,125	1,7	19,00
ORV267	3 ways solenoid actuator	S-390-3W	12V DC	N.A.	0,33	0,330	4,0	33,00
ORV273	3 ways solenoid actuator	S-390-3W-D	24V DC	N.A.	0,17	0,170	4,2	33,00
ORV272	3 ways solenoid actuator	S-390-3W-D	24V AC-D	N.A.	0,13	0,130	2,2	33,00
ORV265	3 ways solenoid actuator plastic base	S-390-3W-D	24V AC-D	N.A.	0,13	0,130	2,2	49,00
ORV275	3 ways solenoid actuator metallic base	S-390-3W-D	24V AC-D	N.A.	0,13	0,130	2,2	85,00
ORV259	S400 3 ways solenoid actuator	S-400	24V AC	N.Box	0,20	0,200	3,5	54,00
ORV260	S400 3 ways solenoid actuator	S-400	24V AC	N.A.	0,20	0,200	3,5	54,00



Code	Description	Model	Voltage	Normal status	Min pulse duration (mSec)	Resistance (Ohm)	€
ORV262	2 ways latch solenoid actuator - 2 wires	S-392	9 - 20	N.A./N.Box	20	6	44,00
ORV282	2 ways latch solenoid actuator - 2 wires	S-392-T-2L-2W	9 - 20	N.A./N.Box	20	6	44,00
ORV268	3 ways latch solenoid actuator - 2 wires - plastic hydraulic base	S-402	9 - 40	N.A.	20	6	70,00
ORV276	3 ways latch solenoid actuator - 2 wires - hydraulic metal base - manual control	S-402-3W-D	9 - 40	N.A.	20	6	162,00
ORV271	3 ways latch solenoid actuator - 2 wires - plastic hydraulic base - manual control	S-982	12 - 50	N.A./N.Box	20	4	115,00



Code	Description	Voltage	Normal state	Compatibility	€
OPG886	Greenapp Bluetooth 3-way control unit with bistable solenoid 9V (latch) and plastic base	9 - 20	N.Box	100 Series 200 Series	156,00
OPG887	Greenapp Bluetooth 3-way control unit with bistable solenoid 9V (latch) without base	9 - 20	N.Box	100 Series 200 Series	126,00

NOTE



PUMPS

ELECTRIC PUMPS VERTICAL AXIS, SUBMERSIBLE

Discount category A

SQE GRUNDFOS SERIES



APPLICATION

- Suitable for both continuous functioning and intermittent for domestic water supply for small irrigation systems

FEATURES

- Built-in non-return valve
- Axial thrust protection
- Soft start device
- Overvoltage, undervoltage, overload and overtemperature protection
- Designed for pumping of fluid, clean, non-aggressive, inexplusive liquids and by temperatures not over 30°/40° C, with no solid particles or fibres or by a maximum sand content of 50 g/m³
- Equipped with a single-phase motor capable to communicate with CU301 control unit, which adjusts the pump speed to keep a constant pressure
- SQE pump need protection against dry running
- It is possible to set the pump on any working point included in the minimum and maximum performance curve of the pump (speed control variable between 65% and 100% of the performing curve)

SQE 2 SERIES

8 ÷ 50 L/M - 143 ÷ 20 MH2O

SQE 3 SERIES

25 ÷ 58 L/M - 138 ÷ 20 MH2O

SQE 5 SERIES

50 ÷ 100 L/M - 89 ÷ 9 MH2O

SQE 7 SERIES

58 ÷ 150 L/M - 52 ÷ 6 MH2O

Code	Type	Kw	€	Code	Type	Kw	€	Code	Type	Kw	€	Code	Type	Kw	€
PSM171	SQE 2 - 35	0,45	1.814,47	PSM178	SQE 3 - 30	0,44	1.736,96	PSM159	SQE 5 - 15	0,26	1.719,25	PSM167	SQE 7 - 15	0,42	2.359,00
PSM172	SQE 2 - 55	0,65	1.925,56	PSM179	SQE 3 - 40	0,63	1.840,35	PSM160	SQE 5 - 25	0,54	1.791,70	PSM168	SQE 7 - 30	0,84	2.564,27
PSM173	SQE 2 - 70	0,87	2.130,84	PSM180	SQE 3 - 55	0,83	2.126,24	PSM161	SQE 5 - 35	0,80	2.124,05	PSM169	SQE 7 - 40	1,27	3.282,10
PSM174	SQE 2 - 85	0,98	2.381,77	PSM185	SQE 3 - 65	1,02	2.377,17	PSM162	SQE 5 - 50	1,06	2.369,00				
PSM175	SQE 2 - 100	1,30	2.956,65	PSM186	SQE 3 - 80	1,23	2.950,56	PSM165	SQE 5 - 60	1,33	3.045,20				
PSM176	SQE 2 - 115	1,50	3.060,15	PSM187	SQE 3 - 95	1,43	3.054,06	PSM166	SQE 5 - 70	1,60	3.163,65				
				PSM188	SQE 3 - 105	1,63	3.155,95								

ACCESSORIES ON COMPLETION OF SQE VARIABLE SPEED PUMPS

Code	Description	Type	€
EUN001	Control and communication unit for SQE pumps in constant pressure applications	CU 301 1 x 230 V	745,32
FID030	Expansion tank	5 LITRI	74,86

N.B.: MBS 3000 pressure transducer - 0 ÷ 6 bar (Code EVR309) on page 164

ELECTRIC PUMPS VERTICAL AXIS, SUBMERSIBLE

Discount category A

4 SERIES



Ø coupling
1 1/4" - 4A/B/D/E
2" - 4F/H/L

4"

APPLICATION

- Domestic and industrial field
- Water supply, pressurization and irrigation
- Construction features and use of specific materials make 4HS pumps suitable for drinkable water as well

FEATURES

- Asynchronous, three-phase motor with water bath rotor, jacketed and resin painted stator, wholly in AISI 304 stainless steel
- Multi-stage pump wholly in AISI 304 stainless steel

SPECIFICS

- Flow-rates up to 21 m³/h
- Head up to up to 360 m
- Power up to 7,5 Kw
- Pumped fluid maximum temperature: 30°C
- Maximum sand quantity: 185 g/m³
- Maximum starts per hour: 15
- Apiration recommended minimum lever: 1 m
- On request assembled pumps with water bath motors are supplied
- Single-phase motor capacitors not included

MATERIALS

- Polycarbonate impellers and diffusers
- Atoxic rubber thrust bearing
- Ceramic sleeves
- AISI 304 heads
- External hose, shaft and other details in AISI 304

6" water bath motors see page 151

ELECTRIC PUMP 230V

ELECTRIC PUMP 400V

ONLY PUMP

Code	Type	HP	Kw	µF	A	€	Code	Type	HP	Kw	A	€	Code	Type	€
PSSM050	4A 005 N09	0,50	0,37	16	3,5	628,00	PSST050	4A 005 N09	0,50	0,37	1,4	607,70	PCPS061	4A 005 N09	285,60
PSSM051	4A 007 N14	0,75	0,55	20	4,7	700,10	PSST051	4A 007 N14	0,75	0,55	1,9	671,80	PCPS019	4A 007 N14	341,50
PSSM052	4A 010 N18	1,00	0,75	25	5,9	776,30	PSST052	4A 010 N18	1,00	0,75	2,2	747,90	PCPS018	4A 010 N18	405,50
PSSM053	4A 015 N28	1,50	1,10	35	8,6	987,20	PSST053	4A 015 N28	1,50	1,10	3,0	954,80	PCPS060	4A 015 N28	577,90
PSSM054	4A 020 N38	2,00	1,50	40	10,7	1.175,60	PSST054	4A 020 N38	2,00	1,50	4,1	1.116,90	PCPS009	4A 020 N38	685,30
PSSM055	4A 030 N57	3,00	2,20	50	14,8	1.595,90	PSST055	4A 030 N57	3,00	2,20	5,6	1.533,10	PCPS008	4A 030 N57	979,90
PSSM060	4B 005 N07	0,50	0,37	16	3,5	589,20	PSST060	4B 005 N07	0,50	0,37	1,4	568,90	PCPS001	4B 005 N07	246,70
PSSM061	4B 007 N11	0,75	0,55	20	4,1	647,50	PSST061	4B 007 N11	0,75	0,55	1,9	619,30	PCPS002	4B 007 N11	289,00
PSSM062	4B 010 N15	1,00	0,75	25	5,9	702,10	PSST062	4B 010 N15	1,00	0,75	2,2	673,70	PCPS003	4B 010 N15	331,20
PSSM063	4B 015 N22	1,50	1,10	35	8,6	809,00	PSST063	4B 015 N22	1,50	1,10	3,0	776,60	PCPS004	4B 015 N22	399,80
PSSM064	4B 020 N30	2,00	1,50	40	10,7	1.062,60	PSST064	4B 020 N30	2,00	1,50	4,1	1.003,90	PCPS005	4B 020 N30	572,20
PSSM065	4B 030 N44	3,00	2,20	50	14,8	1.352,70	PSST065	4B 030 N44	3,00	2,20	5,6	1.289,90	PCPS006	4B 030 N44	736,70
							PSST066	4B 040 N60	4,00	3,00	7,5	1.848,60	PCPS007	4B 040 N60	1.046,20
PSSM100	4D 005 N05	0,50	0,37	16	3,5	572,00	PSST100	4D 005 N05	0,50	0,37	1,4	551,80	PCPS010	4D 005 N05	229,60
PSSM101	4D 007 N07	0,75	0,55	20	4,7	608,70	PSST101	4D 007 N07	0,75	0,55	1,9	580,40	PCPS011	4D 007 N07	250,20
PSSM102	4D 010 N10	1,00	0,75	25	5,9	655,20	PSST102	4D 010 N10	1,00	0,75	2,2	626,90	PCPS012	4D 010 N10	284,40
PSSM103	4D 015 N15	1,50	1,10	35	8,6	748,50	PSST103	4D 015 N15	1,50	1,10	3,0	716,10	PCPS013	4D 015 N15	339,20
PSSM104	4D 020 N20	2,00	1,50	40	10,7	890,10	PSST104	4D 020 N20	2,00	1,50	4,1	831,40	PCPS014	4D 020 N20	399,80
PSSM105	4D 030 N30	3,00	2,20	50	14,8	1.201,90	PSST105	4D 030 N30	3,00	2,20	5,6	1.139,10	PCPS015	4D 030 N30	585,90
							PSST106	4D 040 N40	4,00	3,00	7,5	1.589,30	PCPS016	4D 040 N40	786,90
							PSST107	4D 055 N54	5,50	4,00	9,8	2.005,10	PCPS017	4D 055 N54	1.069,00
PSSM030	4E 005 N04	0,50	0,37	16	3,5	572,00	PSST040	4E 005 N04	0,50	0,37	1,4	551,80	PCPS053	4E 005 N04	229,60
PSSM031	4E 007 N06	0,75	0,55	20	4,7	608,70	PSST041	4E 007 N06	0,75	0,55	1,9	580,40	PCPS062	4E 007 N06	250,20
PSSM032	4E 010 N08	1,00	0,75	25	5,9	641,50	PSST042	4E 010 N08	1,00	0,75	2,2	613,20	PCPS054	4E 010 N08	270,70
PSSM033	4E 015 N12	1,50	1,10	35	8,6	726,80	PSST043	4E 015 N12	1,50	1,10	3,0	694,40	PCPS055	4E 015 N12	317,50
PSSM034	4E 020 N16	2,00	1,50	40	10,7	870,70	PSST044	4E 020 N16	2,00	1,50	4,1	812,00	PCPS056	4E 020 N16	380,40
PSSN035	4E 030 N24	3,00	2,20	50	14,8	1.112,80	PSST045	4E 030 N24	3,00	2,20	5,6	1.050,00	PCPS057	4E 030 N24	496,80
							PSST046	4E 040 N32	4,00	3,00	7,5	1.485,40	PCPS063	4E 040 N32	683,00
							PSST047	4E 055 N44	5,50	4,00	9,8	1.824,70	PCPS064	4E 055 N44	888,60

4A SERIES
10 ÷ 40 l/m
336 ÷ 15 mH2O

4B SERIES
15 ÷ 50 l/m
346 ÷ 18 mH2O

4D SERIES
25 ÷ 80 l/m
325 ÷ 13 mH2O

4E SERIES
35 ÷ 100 l/m
282 ÷ 9 mH2O

ELECTRIC PUMPS VERTICAL AXIS, SUBMERSIBLE

Discount category A

ELECTRIC PUMP 230V

ELECTRIC PUMP 400V

ONLY PUMP

4F SERIES
45 ÷ 160 l/m
330 ÷ 12 mH2O

Code	Type	HP	Kw	μF	A	€	Code	Type	HP	Kw	A	€	Code	Type	€
PSSM020	4F 010 N06	1,00	0,75	25	5,9	670,10	PSST020	4F 010 N06	1,00	0,75	2,2	641,70	PCPS020	4F 010 N06	299,30
PSSM021	4F 015 N09	1,50	1,10	35	8,6	767,90	PSST021	4F 015 N09	1,50	1,10	3,0	735,50	PCPS021	4F 015 N09	358,70
PSSM022	4F 020 N12	2,00	1,50	40	10,7	898,10	PSST022	4F 020 N12	2,00	1,50	4,1	839,40	PCPS022	4F 020 N12	407,80
PSSM023	4F 030 N18	3,00	2,20	50	14,8	1.128,80	PSST023	4F 030 N18	3,00	2,20	5,6	1.066,00	PCPS023	4F 030 N18	512,80
							PSST024	4F 040 N24	4,00	3,00	7,5	1.452,30	PCPS024	4F 040 N24	649,90
							PSST025	4F 055 N34	5,50	4,00	9,8	1.852,10	PCPS025	4F 055 N34	916,00
							PSST026	4F 075 N45	7,50	5,50	12,7	2.386,60	PCPS026	4F 075 N45	1.280,30
							PSST027	4F 100 N60	10,00	7,50	16,9	2.927,40	PCPS027	4F 100 N60	1.625,20

4H SERIES
80 ÷ 225 l/m
235 ÷ 12 mH2O

PSSM070	4H 015 N06	1,50	1,10	35	8,6	708,50	PSST030	4H 015 N06	1,50	1,10	3,0	676,10	PCPS030	4H 015 N06	299,30
PSSM071	4H 020 N08	2,00	1,50	40	10,7	823,90	PSST031	4H 020 N08	2,00	1,50	4,1	765,20	PCPS031	4H 020 N08	333,50
PSSM072	4H 030 N12	3,00	2,20	50	14,8	1.071,70	PSST032	4H 030 N12	3,00	2,20	5,6	1.008,90	PCPS032	4H 030 N12	455,70
							PSST033	4H 040 N16	4,00	3,00	7,5	1.304,90	PCPS033	4H 040 N16	502,60
							PSST034	4H 055 N22	5,50	4,00	9,8	1.586,00	PCPS034	4H 055 N22	649,90
							PSST035	4H 075 N30	7,50	5,50	12,7	1.948,00	PCPS035	4H 075 N30	841,80
							PSST036	4H 100 N39	10,00	7,50	16,9	2.335,80	PCPS036	4H 100 N39	1.033,60

4Q SERIES
150 ÷ 450 l/m
181 ÷ 4 mH2O

PSSM082	4Q 015 N04	1,50	1,10	35	8,6	747,70	PSST070	4Q 015 N04	1,50	1,10	3,0	753,80	PCPS070	4Q 015 N04	376,90
PSSM083	4Q 020 N06	2,00	1,50	40	10,7	826,30	PSST071	4Q 020 N06	2,00	1,50	4,1	848,70	PCPS071	4Q 020 N06	417,10
PSSM084	4Q 030 N09	3,00	2,20	50	14,8	1.024,90	PSST072	4Q 030 N09	3,00	2,20	5,6	1.087,70	PCPS072	4Q 030 N09	534,60
							PSST073	4Q 040 N12	4,00	2,00	7,5	1.440,70	PCPS073	4Q 040 N12	638,30
							PSST074	4Q 055 N16	5,50	4,00	9,8	1.807,40	PCPS074	4Q 055 N16	871,30
							PSST075	4Q 075 N22	7,50	5,50	12,7	2.165,50	PCPS075	4Q 075 N22	1.059,20
							PSST076	4Q 100 N30	10,00	7,50	16,9	2.729,50	PCPS076	4Q 100 N30	1.427,30

SF-SC SERIES

WHILE SUPPLIES LAST



APPLICATION

- Domestic and industrial use
- Water supply, pressurization and irrigation
- Structural features and the use of specific materials allow to use 4HS electro pumps for drinkable water as well

FEATURES

- Multi-stage
- Removable and interchangeable cable-connector system
- AISI 316 shaft extension
- Silicon carbide mechanical seal
- Pressed brass upper and lower supports
- AISI 304 stainless steel jacketed hermetic stator
- In single-phase pumps a float can be used

SPECIFICS

- High voltage power maximum diversion: +/- 5%
- Maximum temperature of liquid that affects the engine by lime-free jacket: 30° if affected by a 0,3 m/sec speed, 40° by a 1,2 m/sec speed
- Maximum starts per hour = 40
- Supplied with 10 m H07RNF standard and thermal built-in cable

SF SERIES - 25 ÷ 200 L/M - 55 ÷ 10 MH2O

Code	Type	HP	Kw	Power supply	€
PSSF003	SF 015 N03	1,50	1,10	230V - μF 25	899,64
PSSF004	SF 020 N04	2,00	1,50	230V - μF 35	1.022,76
EGL900				Float with 10 meters of cable H07RNF	162,00

SC SERIES WITHOUT FLOAT 10 ÷ 80 L/M - 96 ÷ 9 MH2O

Code	Type	HP	Kw	Alim.	€
PSSC008	SC 010 N04	1,00	0,75	230V - μF 20	749,52

SC SERIES WITH FLOAT 10 ÷ 80 L/M - 96 ÷ 9 MH2O SINGLE-PHASE

Code	Type	HP	Kw	Ali.	€
PSSC015	SC 007 N03	0,75	0,55	230V - μF 16	732,24
PSSC016	SC 010 N04	1,00	0,75	230V - μF 20	822,96
PSSC017	SC 015 N06	1,50	1,10	230V - μF 25	914,76
PSSC018	SC 020 N08	2,00	1,50	230V - μF 35	1.005,48

SC SERIES 10 ÷ 80 L/M - 96 ÷ 9 MH2O THREE-PHASE

Code	Type	HP	Kw	Al.	€
PSSC057	SC 007 N03	0,75	0,55	400V	670,68
PSSC058	SC 010 N04	1,00	0,75	400V	749,52
PSSC059	SC 015 N06	1,50	1,10	400V	858,60
PSSC060	SC 020 N08	2,00	1,50	400V	979,56

ELECTRIC PUMPS VERTICAL AXIS, SUBMERSIBLE

Discount category A

6 SERIES



6"

APPLICATION

- Civil and industrial water supply, water pipelines, fire-fighting systems, irrigation systems and any other kind of system

SPECIFICS

- Water bath motor
- Maximum working pressure: 7 mH₂O
- Pumped liquid temperature: 30° C
- Maximum flow-rate: 66m³/h
- Maximum starts per hour: 15
- Aspiration maximum level: 1 m

MATERIALS

- Valve and suction cage body: stainless steel spheroidal cast iron (Ni-resist D2B/ AISI 304)
- Bush bearings: brass/rubber
- Completely protected shaft: AISI 420
- Wearing ring, spacer pipe for external jacket stage, cable protection, screen suction: AISI 304 stainless steel
- Impellers and diffusers: Norly

ELECTRIC PUMP 230V

Code	Type	HP	Kw	µF	A	€
PSSM1000	6B 030 N05/4*	3,0	2,2	50	14,8	1.534,30

ELECTRIC PUMP 400V

Code	Type	HP	Kw	A	€
PSST1000	6B 030 N05/4*	3,0	2,2	6,2	1.601,64
PSST1001	6B 040 N06/4*	4,0	3,0	7,8	1.873,80
PSST1006	6B 040 N07/4*	5,0	3,7	9,8	1.970,90
PSST1003	6B 055 N08/4*	5,0	3,7	9,8	2.114,64
PSST1004	6B 055 N09/4*	5,5	4,0	9,8	2.167,56
PSST1005	6B 075 N12/4*	7,5	5,5	13,8	2.553,12
PSST1100	6B 075 N12	7,5	5,5	13,8	3.585,30
PSST1101	6B 100 N16	10,0	7,5	18,0	4.061,80
PSST1102	6B 125 N18	12,5	9,2	22,0	4.349,30
PSST1103	6B 125 N21	12,5	9,2	22,0	4.658,80
PSST1104	6B 150 N24	15,0	11,0	26,0	4.993,10
PSST1106	6B 200 N32/SD	20,0	15,0	33,0	6.691,30
PSST1107	6B 250 N40/SD	25,0	18,5	41,0	7.390,10
PSST1108	6B 300 N48/SD	30,0	22,0	49,0	8.297,50

ONLY PUMP

Code	Type	€
PCPS500	6B 030 N05/4*	918,30
PCPS539	6B 030 N05/4*	918,30
PCPS501	6B 040 N06/4*	973,10
PCPS514	6B 040 N07/4*	1.034,80
PCPS503	6B 055 N08/4*	1.097,60
PCPS504	6B 055 N09/4*	1.158,10
PCPS505	6B 075 N12/4*	1.362,50
PCPS534	6B 075 N12	1.362,50
PCPS506	6B 100 N16	1.715,40
PCPS507	6B 125 N18	1.838,80
PCPS508	6B 125 N21	2.148,30
PCPS509	6B 150 N24	2.355,00
PCPS511	6B 200 N32/SD	3.612,40
PCPS512	6B 250 N40/SD	4.121,80
PCPS513	6B 300 N48/SD	4.622,00

6B SERIES
50 ÷ 275 l/m
701 ÷ 16 mH₂O

6D SERIES
100 ÷ 350 l/m
679 ÷ 15 mH₂O

PSST1011	6D 040 N05/4*	4,0	3,0	7,8	1.720,70
PSST1012	6D 050 N06/4*	5,5	4,0	9,8	1.909,20
PSST1013	6D 075 N07/4*	7,5	5,5	13,8	2.141,00
PSST1110	6D 075 N07	7,5	5,5	13,8	3.257,50
PSST1014	6D 075 N08/4*	7,5	5,5	13,8	2.203,90
PSST1111	6D 075 N08	7,5	5,5	13,8	3.320,30
PSST1015	6D 075 N09/4*	7,5	5,5	13,8	2.264,40
PSST1112	6D 075 N09	7,5	5,5	13,8	3.380,90
PSST1113	6D 100 N12	10,0	7,5	18,0	3.708,90
PSST1114	6D 125 N15	12,5	9,2	22,0	4.144,80
PSST1115	6D 150 N18	15,0	11,0	26,0	4.476,90
PSST1116	6D 175 N21	17,5	13,0	29,0	5.227,20
PSST1117	6D 200 N24	20,0	15,0	33,0	5.433,90
PSST1118	6D 250 N30	25,0	18,5	41,0	6.093,80
PSST1119	6D 300 N35/SD	30,0	22,0	49,0	7.482,00
PCPS521	6D 040 N05/4*	918,30			
PCPS522	6D 050 N06/4*	973,10			
PCPS523	6D 075 N07/4*	1.034,80			
PCPS535	6D 075 N07	1.034,80			
PCPS524	6D 075 N08/4*	1.097,60			
PCPS536	6D 075 N08	1.097,60			
PCPS525	6D 075 N09/4*	1.158,10			
PCPS537	6D 075 N09	1.158,10			
PCPS526	6D 100 N12	1.362,50			
PCPS527	6D 125 N15	1.634,30			
PCPS528	6D 150 N18	1.838,80			
PCPS529	6D 175 N21	2.148,30			
PCPS530	6D 200 N24	2.355,00			
PCPS531	6D 250 N30	2.825,50			
PCPS532	6D 300 N35/SD	3.806,50			

*Combined with oil bath 4" motor

ELECTRIC PUMPS VERTICAL AXIS, SUBMERSIBLE

Discount category A

	ELECTRIC PUMP 230V							ELECTRIC PUMP 400V					ONLY PUMP				
	Code	Type	HP	Kw	μF	A	€	Code	Type	HP	Kw	A	€	Code	Type	€	
6E SERIES 200 ÷ 600 l/m 35 ÷ 2 mH2O	PSSM1020	6E 020 N02/4*	2,0	1,5	40	11,0	1.297,80	PSST1020	6E 020 N02/4*	2,0	1,5	4,6	1.239,10	PCPS546	6E 020 N02/4*	807,50	
	PSSM1021	6E 030 N03/4*	3,0	2,2	50	14,8	1.505,70	PSST1021	6E 030 N03/4*	3,0	2,2	6,2	1.442,90	PCPS547	6E 030 N03/4*	889,70	
6F SERIES 200 ÷ 600 l/m 593 ÷ 11 mH2O								PSST1030	6F 040 N03/4*	4,0	3,0	7,8	1.692,10	PCPS550	6F 040 N03/4*	889,70	
								PSST1031	6F 050 N04/4*	5,5	4,0	9,8	1.900,10	PCPS551	6F 050 N04/4*	1.054,08	
								PSST1032	6F 075 N06/4*	7,5	5,5	13,8	2.245,00	PCPS564	6F 075 N06/4*	1.138,70	
								PSST1125	6F 075 N06	7,5	5,5	13,8	3.361,40	PCPS552	6F 075 N06	1.138,70	
								PSST1126	6F 100 N08	10,0	7,5	18,0	3.649,50	PCPS553	6F 100 N08	1.303,10	
								PSST1127	6F 125 N10	12,5	9,2	22,0	3.997,50	PCPS554	6F 125 N10	1.487,00	
								PSST1128	6F 150 N12	15,0	11,0	26,0	4.310,20	PCPS555	6F 150 N12	1.672,00	
								PSST1129	6F 175 N14	17,5	13,0	29,0	4.917,70	PCPS556	6F 175 N14	1.838,80	
								PSST1130	6F 200 N16	20,0	15,0	33,0	5.102,70	PCPS557	6F 200 N16	2.023,80	
								PSST1131	6F 250 N20	25,0	18,5	41,0	5.828,90	PCPS558	6F 250 N20	2.560,60	
								PSST1132	6F 300 N24	30,0	22,0	49,0	6.525,00	PCPS559	6F 300 N24	2.849,50	
								PSST1133	6F 350 N28/SD	35,0	26,0	57,0	9.055,70	PCPS560	6F 350 N28/SD	4.233,70	
								PSST1134	6F 400 N32/SD	40,0	30,0	67,0	10.022,90	PCPS561	6F 400 N32/SD	4.564,90	
								PSST1135	6F 500 N40/SD	50,0	37,0	74,0	12.616,90	PCPS562	6F 500 N40/SD	5.334,60	
	6H SERIES 300 ÷ 800 l/m 400 ÷ 7 mH2O								PSST1040	6H 040 N02/4*	4,0	3,0	7,8	1.746,36	PCPS569	6H 040 N02/4*	786,90
									PSST1041	6H 055 N03/4*	5,5	4,0	9,8	1.975,32	PCPS570	6H 055 N03/4*	889,70
								PSST1042	6H 075 N04/4*	7,5	5,5	13,8	2.245,32	PCPS571	6H 075 N04/4*	993,60	
								PSST1140	6H 075 N04	7,5	5,5	13,8	3.216,40	PCPS572	6H 075 N04	993,60	
								PSST1141	6H 100 N05	10,0	7,5	18,0	3.423,30	PCPS573	6H 100 N05	1.077,00	
								PSST1142	6H 125 N06	12,5	9,2	22,0	3.668,60	PCPS574	6H 125 N06	1.158,10	
								PSST1143	6H 150 N08	15,0	11,0	26,0	3.983,50	PCPS575	6H 150 N08	1.345,40	
								PSST1144	6H 175 N09	17,5	13,0	29,0	4.516,90	PCPS576	6H 175 N09	1.437,90	
								PSST1145	6H 200 N10	20,0	15,0	33,0	4.610,50	PCPS577	6H 200 N10	1.531,60	
								PSST1146	6H 250 N13	25,0	18,5	41,0	5.061,40	PCPS578	6H 250 N13	1.793,10	
								PSST1147	6H 300 N16	30,0	22,0	49,0	5.718,70	PCPS579	6H 300 N16	2.043,20	
								PSST1148	6H 350 N19	35,0	26,0	57,0	7.288,90	PCPS580	6H 350 N19	2.466,90	
								PSST1149	6H 400 N22	40,0	30,0	67,0	8.148,90	PCPS581	6H 400 N22	2.690,80	
								PSST1150	6H 500 N27/SD	50,0	37,0	74,0	11.538,80	PCPS582	6H 500 N27/SD	4.256,50	
6I SERIES 400 ÷ 900 l/m 16 ÷ 5 mH2O		PSSM1030	6I 030 N02/4*	3,0	2,2	50	8,6	1.415,50	PSST1050	6I 030 N02/4*	3,0	2,2	6,2	1.352,70	PCPS590	6I 030 N02/4*	799,50
								PSST1060	6L 055 N03/4*	5,5	4,0	9,8	1.894,32	PCPS599	6L 055 N03/4*	889,70	
6L SERIES 500 ÷ 1.100 l/m 232 ÷ 4 mH2O								PSST1061	6L 075 N04/4*	10,0	7,5	18,0	2.099,90	PCPS600	6L 075 N04/4*	993,60	
								PSST1161	6L 100 N04	10,0	7,5	18,0	3.340,00	PCPS602	6L 100 N04	994,52	
								PSST1162	6L 125 N06	12,5	9,2	22,0	3.668,60	PCPS605	6L 125 N06	1.158,10	
								PSST1163	6L 150 N07	15,0	11,0	26,0	3.875,00	PCPS603	6L 150 N07	1.236,90	
								PSST1164	6L 175 N08	17,5	13,0	29,0	4.424,30	PCPS609	6L 175 N08	1.345,40	
								PSST1165	6L 200 N09	20,0	15,0	34,0	4.516,90	PCPS606	6L 200 N09	1.437,90	
								PSST1166	6L 250 N12	25,0	18,5	41,0	4.983,70	PCPS607	6L 250 N12	1.715,40	
								PSST1167	6L 300 N12	30,0	22,0	49,0	5.567,90	PCPS608	6L 300 N12	1.892,50	
								PSST1168	6L 350 N15	35,0	26,0	57,0	6.876,60	PCPS610	6L 350 N15	2.054,60	
								PSST1169	6L 400 N19	40,0	30,0	67,0	7.982,10	PCPS611	6L 400 N19	2.524,00	
								PSST1170	6L 500 N22/S	50,0	37,0	74,0	10.345,30	PCPS612	6L 500 N22/S	3.063,10	

*Combined with oil bath 4" motor

ELECTRIC PUMPS VERTICAL AXIS, SUBMERSIBLE

Discount category A

SEMI-AXIAL



APPLICATION

- Semi-axial submersible pumps are characterized by stages formed by body plus built-in casted stainless steel impeller and diffuser
- This kind of solution, compared to the radial ones, is excellent when medium-high flow-rates with an average head up, by equal radius, are requested

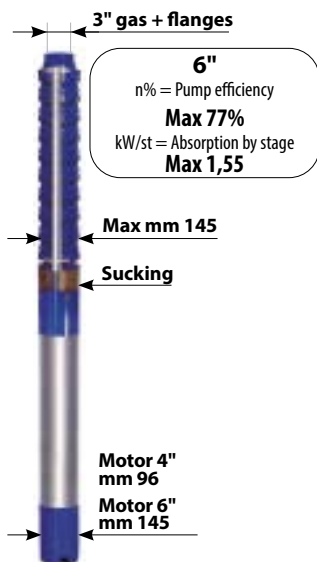
SPECIFICS

- Water bath motor
- Maximum workin pressure: 200 mH₂O
- Pumped liquid temperature: 30°C
- Maximum flow-rate: 96 m³/h
- Maximum starts per hour: 15
- Aspiration minimum level: 1 m

MATERIALS

- Valve and suction cage body: spheroidal stainless cast iron (Ni-resist D2B/AISI 304)
- Bush bearing: brass/rubber
- Protected shaft: AISI 420
- Wearing rings, supplied spacer pipe for external jacket stage, cable protection, suction cage: AISI 304 stainless steel
- Impellers and diffusors: Noryl

140 SEC SERIES



140 SEC 66 SERIES

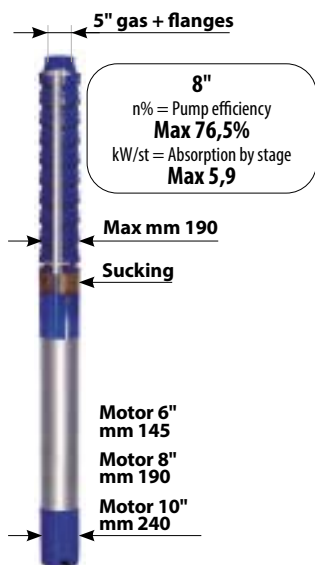
Ø 6" - FLOW-RATE 600 ÷ 1.400 L/M

Code	Type	HP	Kw	Power supply	€
PSSTG112	140SEC66/03	7,5	5,5	400V	3.464,64
PSSTG100	140SEC66/04	10,0	7,5	400V	4.102,40
PSSTG101	140SEC66/05	12,5	9,2	400V	4.477,00
PSSTG102	140SEC66/06	15,0	11,0	400V	4.977,80
PSSTG103	140SEC66/07	17,5	13,0	400V	5.303,90
PSSTG104	140SEC66/08	20,0	15,0	400V	5.881,10
PSSTG105	140SEC66/09	25,0	18,5	400V	6.345,00
PSSTG106	140SEC66/10	25,0	18,5	400V	6.668,40
PSSTG107	140SEC66/11	30,0	22,0	400V	7.919,80
PSSTG108	140SEC66/12	35,0	26,0	400V	8.549,28
PSSTG109	140SEC66/13	35,0	26,0	400V	8.782,56
PSSTG110	140SEC66/15	40,0	30,0	400V	9.745,50
PSSTG111	140SEC66/18	50,0	37,0	400V	11.240,80
PSSTG113	140SEC66/19	50,0	37,0	400V	11.462,60
PSSTG114	140SEC66/20	50,0	37,0	400V	12.119,10
PSSTG115	140SEC66/21	50,0	37,0	400V	12.371,80

ELECTRIC PUMPS VERTICAL AXIS, SUBMERSIBLE

Discount category A

180 SEC SERIES



180 SEC 78 SERIES

Ø 8" - FLOW-RATE 600 ÷ 1.600 L/M

Code	Type	HP	Kw	Power supply	€
PSSTG400	180SEC78/02	15,0	11,0	400V	5.215,80
PSSTG401	180SEC78/03	20,0	15,0	400V	6.085,30
PSSTG402	180SEC78/04	30,0	22,0	400V	7.834,60
PSSTG403	180SEC78/05	35,0	26,0	400V	9.152,10
PSSTG404	180SEC78/06	40,0	30,0	400V	10.312,92
PSSTG405	180SEC78/07	50,0	37,0	400V	14.143,10
PSSTG406	180SEC78/08	60,0	44,0	400V	15.284,40
PSSTG408	180SEC78/10	75,0	55,0	400V	16.947,10
PSSTG410	180SEC78/13	90,0	66,0	400V	20.530,90
PSSTG411	180SEC78/14	100,0	75,0	400V	21.490,10

180 SEC 90 SERIES

Ø 8" - FLOW-RATE 800 ÷ 2.000 L/M

Code	Type	HP	Kw	Power supply	€
PSSTG420	180SEC90/1	10,0	7,5	400V	4.416,70
PSSTG423	180SEC90/2	17,5	13,0	400V	5.317,10
PSSTG425	180SEC90/3	25,0	18,5	400V	6.417,20
PSSTG427	180SEC90/4	35,0	26,0	400V	8.752,60
PSSTG428	180SEC90/5	40,0	30,0	400V	9.344,60
PSSTG429	180SEC90/6	50,0	37,0	400V	10.753,56
PSSTG430	180SEC90/7	60,0	44,0	400V	14.848,10
PSSTG431	180SEC90/8	75,0	55,0	400V	16.124,50
PSSTG432	180SEC90/9	75,0	55,0	400V	16.534,30
PSSTG433	180SEC90/10	90,0	66,0	400V	19.257,50
PSSTG434	180SEC90/11	90,0	66,0	400V	19.674,60
PSSTG435	180SEC90/12	100,0	75,0	400V	20.632,30
PSSTG436	180SEC90/13	100,0	75,0	400V	21.086,10
PSSTG437	180SEC90/14	125,0	92,0	400V	22.854,60
PSSTG438	180SEC90/15	125,0	92,0	400V	23.260,00

180 SEC 102 SERIES

Ø 8" - FLOW-RATE 1.000 ÷ 2.400 L/M

Code	Type	HP	Kw	Power supply	€
PSSTG440	180SEC102/1	10	7,5	400V	4.416,70
PSSTG443	180SEC102/2	20	15	400V	5.671,10
PSSTG445	180SEC102/3	30	22	400V	7.419,00
PSSTG447	180SEC102/4	40	30	400V	8.945,00
PSSTG448	180SEC102/5	50	37	400V	13.385,20
PSSTG449	180SEC102/6	60	44	400V	14.436,90
PSSTG450	180SEC102/7	75	55	400V	15.660,40
PSSTG451	180SEC102/8	75	55	400V	18.424,70
PSSTG452	180SEC102/9	90	66	400V	18.831,50
PSSTG453	180SEC102/10	100	75	400V	19.799,50
PSSTG454	180SEC102/11	100	75	400V	21.579,70
PSSTG455	180SEC102/12	125	92	400V	21.979,20
PSSTG456	180SEC102/13	125	92	400V	22.433,00

10" and 12" models available on request - for features and functional details contact technical service

ELECTRIC PUMPS VERTICAL AXIS, SUBMERSIBLE

Discount category A

OIL BATH MOTORS

CARATTERISTICHE

- Flange: 4" NEMA
- Insulation class: F
- Protection degree: IP68
- Ambient temperature: 35°
- Cooling speed: 0,3 m/s minimum
- Power supply tolerance: 6% - 10%
- Tie rods and screws: AISI 304
- Maximum starts number: 20/h
- Maximum working depth: 250 m
- Axial thrust: 0,5HP/1,5HP 2000N-2HP/3HP 3000N-4HP/10HP 5000N



4"

Code	Type	Power supply	HP	Kw	µf	€
PMTM030	S4MOM005	Single-phase 230V	0,50	0,37	16	342,50
PMTM031	S4MOM007	Single-phase 230V	0,75	0,56	20	358,60
PMTM032	S4MOM010	Single-phase 230V	1,00	0,75	25	370,90
PMTM033	S4MOM015	Single-phase 230V	1,50	1,10	35	409,30
PMTM034	S4MOM020	Single-phase 230V	2,00	1,50	40	490,40
PMTM035	S4MOM030	Single-phase 230V	3,00	2,20	50	616,00
PMTT030	S4MOT005	Three-phase 400V	0,50	0,37		322,20
PMTT031	S4MOT007	Three-phase 400V	0,75	0,56		330,30
PMTT032	S4MOT010	Three-phase 400V	1,00	0,75		342,50
PMTT033	S4MOT015	Three-phase 400V	1,50	1,10		376,90
PMTT034	S4MOT020	Three-phase 400V	2,00	1,50		431,70
PMTT035	S4MOT030	Three-phase 400V	3,00	2,20		553,20
PMTT036	S4MOT040	Three-phase 400V	4,00	3,00		802,40
PMTT037	S4MOT055	Three-phase 400V	5,50	4,00		936,20
PMTT038	S4MOT075	Three-phase 400V	7,50	5,50		1.106,30
PMTT039	S4MOT100	Three-phase 400V	10,00	7,50		1.302,20

WATER BATH MOTORS

6"

Code	Type	Power supply	HP	Kw	€
PMTT108	S6MAT050	Three-phase 400V	5,5	4	2.149,80
PMTT109	S6MAT075	Three-phase 400V	7,5	5,5	2.222,80
PMTT110	S6MAT100	Three-phase 400V	10	7,5	2.346,40
PMTT111	S6MAT125	Three-phase 400V	12,5	9,2	2.510,50
PMTT112	S6MAT150	Three-phase 400V	15	11	2.638,20

Code	Type	Power supply	HP	Kw	€
PMTT113	S6MAT200	Three-phase 400V	20	15	3.079,00
PMTT114	S6MAT250	Three-phase 400V	25	18,5	3.268,40
PMTT115	S6MAT300	Three-phase 400V	30	22	3.675,50
PMTT121	S6MAT300	Three-phase 400V	35	26	4.822,10
PMTT116	S6MAT400	Three-phase 400V	40	30	5.458,10
PMTT117	S6MAT500	Three-phase 400V	50	37	7.282,30

8"

Code	Type	Power supply	HP	Kw	€
PMTT138	S8MAT040	Three-phase 400V	40	30	8.968,50
PMTT139	S8MAT050	Three-phase 400V	50	37	9.808,70
PMTT140	S8MAT060	Three-phase 400V	60	44	10.485,80
PMTT141	S8MAT075	Three-phase 400V	75	55	11.326,00
PMTT142	S8MAT090	Three-phase 400V	90	66	13.636,40
PMTT143	S8MAT100	Three-phase 400V	100	75	14.191,60
PMTT144	S8MAT125	Three-phase 400V	125	92	15.556,10

Discount category E

NM - THREADED



SPECIFICS

- Single impeller
- Flow-rate: 16 ÷ 140 l/m
- Head up: 47 ÷ 16,3 mH₂O
- Ports: threaded PN10 - in/out Ø 1"
- Power supply: 400 V 50 Hz - 220 V 50 Hz
- Protection degree: IP 54
- Suction liftup: max 7 m
- Pump body maximum pressure: 10 bar
- Continuous service

MATERIALS

- Pump body and cap: cast iron
- Impeller: brass
- Shaft: AISI 303/430 stainless steel

THREE-PHASE 230/400 V

Code	Type	HP	€
POC001	NM 1/A/E	0,5	223,07
POC004	NM 2/A/A	1	279,91

Code	Type	HP	€
POC005	NM 3/C/A	1,5	480,47
POC006	NM 3/B/A	2	548,03

SINGLE-PHASE 230 V

Code	Type	HP	€
POC030	NMM 1/A/E	0,5	223,07
POC033	NMM 2/A/A	1	292,79

Code	Type	HP	€
POC034	NMM 3/C/E	1,5	528,71
POC035	NMM 3/B/E	2	652,04

NMD - THREADED



SPECIFICS

- With two back-to-back impellers (with axial thrust balancing)
- Flow-rate: 16 ÷ 400 l/m
- Head up: 94 ÷ 25 mH₂O
- Ports: threaded PN10 - in/out Ø 1"
- Power supply: 400 V 50 Hz - 220 V 50 Hz
- Protection degree: IP 54
- Suction liftup: max 7 m
- Pump body maximum pressure: 10 bar
- Continuous service

MATERIALS

- Pump body and cap: grey cast iron
- Impeller: brass
- Shaft: AISI 303/430 stainless steel

THREE-PHASE 230/400 V

Code	Type	HP	€
POC052	NMD 20/110A/B	1	340,14
POC053	NMD 20/140B/A	1,5	527,66
POC054	NMD 20/140A/A	2	558,75

Code	Type	HP	€
POC062	NMD 40/180D/B	5,5	1.426,82
POC063	NMD 40/180C/A	7,5	1.674,64
POC064	NMD 40/180B/A	10,0	1.877,92
POC065	NMD 40/180A/B	12,5	2.192,49

SINGLE-PHASE 230 V

Code	Type	HP	€
POC068	NMDM 20/110A/A	1	340,14
POC069	NMDM 20/140B/E	1,5	527,66
POC070	NMDM 20/140A/E	2	663,88

NM - THREE-PHASE - FLANGED



SPECIFICS

- Single impeller
- Flow-rate: 110 ÷ 2350 l/m
- Head up 80,5 ÷ 9,2 mH₂O
- Ports: flanged PN16
- Power supply: 400 V 50 Hz
- Protection degree: IP 54
- Suction liftup: max 7 m
- Pump body maximum pressure: 10 bar
- Continuous service

MATERIALS

- Pump body and cap: grey cast iron
- Impeller: cast iron (brass for NM 32)
- Shaft: AISI 303/430 stainless steel

Code	Type	HP	€
POC083	NM 32/125/A	2	612,42
POC085	NM 32/16A/B	3	743,21
POC087	NM 32/20C/A	4	903,04
POC088	NM 32/20A/B	5,5	1.026,33

Code	Type	HP	€
POC091	NM 40/12A/C	3	701,36
POC092	NM 40/16C/C	3	766,81
POC093	NM 40/16B/B	4	860,15
POC094	NM 40/16A/C	5,5	1.004,87
POC095	NM 40/20D/B	5,5	1.061,74
POC096	NM 40/20C/B	5,5	1.061,74
POC097	NM 40/20B/A	7,5	1.444,86
POC098	NM 40/20A/A	10	1.569,73

Code	Type	HP	€
POC106	NM 50/16B/B	7,5	1.416,16
POC107	NM 50/16A/B	10	1.534,35
POC108	NM 50/20B/C	12,5	2.146,32
POC109	NM 50/20A/C	15	2.388,46
POC110	NM 50/20S/C	20	2.681,60
POC111	NM 50/25C/C	15	2.632,82
POC112	NM 50/25B/C	20	2.923,34
POC113	NM 50/25A/C	25	3.574,53

Code	Type	HP	€
POC114	NM 65/12E/C	5,5	1.103,56
POC115	NM 65/12C/B	7,5	1.495,68
POC116	NM 65/12A/B	10	1.609,43
POC117	NM 65/16D/B	10	1.631,54
POC119	NM 65/16B/C	15	2.400,15
POC121	NM 65/16A/B	20	2.692,50
POC122	NM 65/20C/C	20	2.803,99
POC123	NM 65/20B/C	25	3.447,14

Model	DN flange	
	Input	Output
NM 32	50	32
NM 40	65	40
NM 50	65	50
NM 65	80	65

MXV-B - THREE-PHASE - THREADED



SPECIFICS

- Multi-stage close coupled
- Vertical axis
- In line in/out
- Flow-rate: 17 ÷ 217 l/m
- Head up: 109 ÷ 15,5 mH2O
- Ports: threaded
- Power supply: 400 V 50 Hz
- Protection degree: IP 54
- Pump body maximum pressure: 16 bar
- Continuous service

MATERIALS

- Pump body and cap: AISI 304 stainless steel
- Impeller: AISI 304 stainless steel
- Shaft: AISI 303 stainless steel

Code	Type	HP	€
POC251	MXV-B 25-204	1	909,48
POC254	MXV-B 25-207/A	1,5	1.045,16
POC256	MXV-B 25-210/A	2	1.164,94
POC259	MXV-B 32-405/A	1,5	973,08
POC261	MXV-B 32-407/A	2	1.066,36
POC263	MXV-B 32-410/B	3	1.191,44
POC264	MXV-B 40-803/A	1,5	967,78
POC265	MXV-B 40-804/A	2	997,46
POC267	MXV-B 40-806/B	3	1.109,82
POC269	MXV-B 40-808/A	4	1.336,66
POC270	MXV-B 40-810/B	5	1.528,52

Model	Thread F/F	
	Input	Output
MXV-B 25	1"	1"
MXV-B 32	1"¼	1"¼
MXV-B 40	1"½	1"½
MXV-B 50	2"	2"

ELECTRIC PUMPS HORIZONTAL MULTI-STAGE CLOSE COUPLED

MXH - THREADED



SPECIFICS

- Multi-stage close coupled
- Flow-rate: 38 ÷ 133 l/m
- Head up: 68,5 ÷ 6 mH2O
- Ports: threaded PN10 - in/out Ø 1"
- Power supply: 400 V 50 Hz
- Protection degree: IP 54
- Pump body maximum pressure: 8 bar
- Continuous service

MATERIALS

- Pump body and cap: AISI 304 stainless steel
- Impeller: AISI 304 stainless steel
- Shaft: AISI 303 stainless steel

THREE-PHASE 230/400 V

Code	Type	HP	€
POC155	MXH 402/E	0,6	343,19
POC156	MXH 403/A	0,75	463,69
POC157	MXH 404/B	1	502,51
POC158	MXH 405/C	1,5	596,49
POC159	MXH 406/A	2	716,84

SINGLE-PHASE 230 V

Code	Type	HP	€
POC165	MXHM 402/E	0,6	343,19
POC166	MXHM 403/A	0,75	463,69
POC167	MXHM 404/A	1	502,51
POC168	MXHM 405	1,5	694,55
POC169	MXHM 406	2	771,71

MXP - THREADED



SPECIFICS

- Multi-stage close coupled
- Flow-rate: 38 ÷ 120 l/m
- Head up: 56 ÷ 5 mH2O
- Ports: threaded PN10 - in/out Ø 1"
- Power supply: 400 V 50 Hz
- Protection degree: IP 54
- Pump body maximum pressure: 8 bar
- Continuous service

MATERIALS

- Pump body and cap: AISI 304 stainless steel
- Impeller: PPO-GF20 (Norly)
- Shaft: AISI 430 stainless steel

THREE-PHASE 230/400 V

Code	Type	HP	€
POC178	MXP 402	0,6	294,92
POC179	MXP 403/A	0,75	337,81
POC180	MXP 404/B	1	375,32
POC181	MXP 405	1,5	457,82

SINGLE-PHASE 230 V

Code	Type	HP	€
POC186	MXPM 402	0,6	294,92
POC187	MXPM 403/A	0,75	337,81
POC188	MXPM 404/A	1	375,32
POC189	MXPM 405	1,5	457,82

EL. PUMPS HORIZ. MULTI-STAGE CLOSE COUPLED



Discount category E

MGP - THREADED



SPECIFICS

- Multi-stage close coupled
- Flow-rate: 38 ÷ 120 l/m
- Head up: 56 ÷ 5 mH₂O
- Ports: threaded PN10 - in/ out Ø 1"
- Power supply: 400 V 50 Hz (220 V 50 Hz on request)
- Protection degree: IP 54
- Pump body maximum pressure: 8 bar
- Continuous service

MATERIALS

- Pump body: cast iron
- Pump cap: AISI 304 stainless steel
- Impeller: PPO-GF20 (Norly)
- Shaft: AISI 430 stainless steel

THREE-PHASE 230/400 V

Code	Type	HP	€
POC194	MGP 402	0,6	251,28
POC195	MGP 403	0,75	294,02
POC196	MGP 404/A	1	332,29
POC197	MGP 405	1,5	413,52

SINGLE-PHASE 230 V

Code	Type	HP	€
POC202	MGPM 402	0,6	251,28
POC203	MGPM 403	0,75	294,02
POC204	MGPM 404	1	332,29
POC205	MGPM 405	1,5	413,52

SELF-PRIMING ELECTRIC PUMPS

NGX - THREADED



SPECIFICS

- Self-priming close coupled
- Built-in ejector
- Flow-rate: 5 ÷ 100 l/m
- Head up: 58 ÷ 19,1 mH₂O
- Ports: threaded PN10 - in/ out Ø 1"
- Power supply: 400 V 50 Hz (220 V 50 Hz)
- Protection degree: IP 54
- Pump body maximum pressure: 8 bar
- Continuous service

MATERIALS

- Pump body and cap: AISI 304 stainless steel
- Impeller: brass
- Shaft: AISI 430 stainless steel
- Diffusor/ejector: PPOGF20 (Norly)

THREE-PHASE 230/400 V

Code	Type	HP	€
POC210	NGX 2/80	0,75	231,57
POC211	NGX 3/100	0,9	274,39
POC212	NGX 4/110	1	295,81
POC213	NGX 4/16	1,5	469,64
POC219	NGX 6/18/A	2	598,32

SINGLE-PHASE 230 V

Code	Type	HP	€
POC221	NGXM 2/80	0,75	231,57
POC222	NGXM 3/100	0,9	274,39
POC223	NGXM 4/110	1	295,81
POC224	NGXM 4/16	1,5	469,64
POC230	NGXM 6/18	2	598,32

NGL - THREADED



SPECIFICS

- Multi-stage close coupled
- Flow-rate: 38 ÷ 133 l/m
- Head up: 68,5 ÷ 6 mH₂O
- Ports: threaded PN10 - in/ out Ø 1"
- Power supply: 400 V 50 Hz (220 V 50 Hz)
- Protection degree: IP 54
- Pump body maximum pressure: 8 bar
- Continuous service

MATERIALS

- Pump body and cap: AISI 304 stainless steel
- Impeller: AISI 304 stainless steel
- Shaft: AISI 303 stainless steel

THREE-PHASE 230/400 V

Code	Type	HP	€
POC231	NGL 2/80	0,75	215,50
POC232	NGL 3/100	0,9	258,33
POC234	NGL 4/110	1	279,76

SINGLE-PHASE 230 V

Code	Type	HP	€
POC235	NGLM 2/80	0,75	215,50
POC236	NGLM 3/100	0,9	258,33
POC238	NGLM 4/110	1	279,76

GM10 - SUBMERSIBLE



SPECIFICS

- Submersible drainage pump
- Power supply: 230 V 50 Hz
- Supplied with 5 m neoprene cable H07-RN-F and Shuko plug
- Ports: threaded - out \varnothing 1"½
- With on/off float
- B class insulation
- Housing well: 350 x 350 h 300 mm
- Flow-rate: 0 ÷ 200 l/m
- Head up: 7,5 ÷ 2,2 mH₂O
- Immersion depth max: 5 m

MATERIALS

- Pump body, motor casing, suction filter: tecnopolymer
- Impeller Noryl
- Shaft in AISI 430 stainless steel

Code	Type	HP	€
POC290	GM10	0,40	240,43

GXR - SUBMERSIBLE



SPECIFICS

- Submersible open single-impeller pump
- Flow-rate: 20 ÷ 220 l/m
- Head up: 11,7 ÷ 1,7 mH₂O
- Ports: threaded - out \varnothing 1"¼
- Power supply: 400 V 50 Hz / 220 V 50 Hz
- Protection degree: IP X8
- With on/off float
- Immersion depth max: 5 m
- Emptying minimum level: by float: 70 mm / manual: 15 mm
- Supplied with 5 m neoprene cable H07-RN-F and Shuko plug
- Continuous service

MATERIALS

- Pump body and cap: AISI 304 stainless steel
- Impeller: AISI 304
- Shaft: AISI 303 stainless steel

THREE-PHASE 230/400 V

Code	Type	HP	€
POC293	GXR 9	0,33	269,03
POC294	GXR 11	0,5	316,12
POC295	GXR 13	0,6	348,03

SINGLE-PHASE 230 V

Code	Type	HP	€
POC296	GXRM 9	0,33	269,03
POC297	GXRM 11	0,5	316,12
POC298	GXRM 13	0,6	348,03

GXR12 - SUBMERSIBLE



SPECIFICS

- Submersible with open single-impeller
- Flow-rate: 50 ÷ 500 l/m
- Head up: 19,2 ÷ 3,2 mH₂O
- Ports: threaded PN10 - out \varnothing 1"½
- Power supply: 400 V 50 Hz / 220 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 m
- Emptying minimum level: by float: 70 mm / manual: 15 mm
- Supplied with 5 m neoprene cable H07-RN-F and Shuko plug
- Continuous service

MATERIALS

- Pump body and cap: AISI 304 stainless steel
- Impeller: AISI 304
- Shaft: AISI 304 stainless steel

THREE-PHASE 230/400 V

Code	Type	HP	€
POC301	GXR 12-12	0,75	640,35
POC302	GXR 12-14	1	765,64
POC304	GXR 12-18	1,5	918,78
POC305	GXR 12-20	2	1.016,22

SINGLE-PHASE 230 V

Code	Type	HP	€
POC307	GXRM 12-12	0,75	640,35
POC308	GXRM 12-14	1	765,84
POC310	GXRM 12-18	1,5	918,76
POC311	GXRM 12-20	2	1.127,16

ELECTRIC DRAINAGE PUMPS

Discount category E



GQR10 - SUBMERSIBLE - THREADED



SPECIFICS

- Single impeller submersible with open impeller
- Flow-rate: 50 ÷ 500 l/m
- Head up: 20 ÷ 1,5 mH₂O
- Ports: threaded - out Ø 1"½
- Power supply: 400 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 m
- Immersion depth min: 205 mm
- Supplied with 10 m neoprene cable H07-RN-F and Shuko plug
- Continuous service

MATERIALS

- Pump body: cast iron
- Pump cap: AISI 304 stainless steel
- Impeller: cast iron
- Shaft: AISI 304 stainless steel

Code	Type	HP	€
POC316	GQR 10-12	0,75	450,14
POC317	GQR 10-14	1	466,76
POC319	GQR 10-18	1,5	557,06
POC320	GQR 10-20	2	572,10

GQR12 - SUBMERSIBLE - THREADED - WITH FLOAT



SPECIFICS

- Single impeller submersible with open impeller
- Flow-rate: 50 ÷ 500 l/m
- Head up: 20 ÷ 1,5 mH₂O
- Ports: threaded - out Ø 1"½
- Power supply: 230 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 m
- Immersion depth min: 205 mm
- Supplied with 10 m neoprene cable H07-RN-F and Shuko plug
- With float on/off
- Continuous service

MATERIALS

- Pump body: cast iron
- Pump cap: AISI 304 stainless steel
- Impeller: cast iron
- Shaft: AISI 304 stainless steel

Code	Type	HP	€
POC377	GQRM 10-12	0,75	450,14
POC378	GQRM 10-14	1	466,73
POC379	GQRM 10-18	1,5	557,06
POC380	GQRM 10-20	2	643,06

GQG - SUBMERSIBLE - GRINDER



SPECIFICS

- Submersible pump with high power grinder
- Flow-rate: 50 ÷ 280 l/m
- Head up: 25 ÷ 4 mH₂O
- Ports: OUT - threaded Ø 1"½ - flanged DN32
- Power supply: 400 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 m
- Immersion depth min: 300 mm

MATERIALS

- Pump body and cap: cast iron
- Rotation cutting blade/fixed: 440C
- Motor jacket: AISI 304 stainless steel
- Impeller: cast iron
- Shaft: AISI 303/430 stainless steel

Code	Type	HP	€
POC330	GQG 6-18 CG	1,2	929,12
POC331	GQG 6-21 CG	1,5	986,46
POC332	GQG 6-25 CG	2	1.287,59

GQG - SUBMERSIBLE - GRINDER - WITH FLOAT



SPECIFICS

- Submersible pump with high power grinder
- Flow-rate: 50 ÷ 280 l/m
- Head up: 25 ÷ 4 mH₂O
- Ports: out - threaded out Ø 1"½ - flanged DN32
- Power supply: 230 V 50 Hz
- Protection degree: IP X8
- Immersion depth max: 5 m
- Immersion depth min: 300 mm
- On/off float
- Control panel with start capacitors

MATERIALS

- Pump body and cap: cast iron
- Rotation cutting blade/fixed: 440C
- Motor jacket: AISI 304 stainless steel
- Impeller: cast iron
- Shaft: AISI 303/430 stainless steel

Code	Type	HP	€
POC333	GQGM 6-18 CG	1,2	817,28
POC334	GXR 6-21 CG	1,5	874,64
POC335	GXR 6-25 CG	2	1.175,73

FIXED SPEED SYSTEM WITH 2 MXP



DESCRIPTION

- Fixed speed pressurization system composed by 2 horizontal pumps
- Complete with ball valve, non-return valve in suction and ball valve in intake, pressure gauges, adjustable differential pressure switches, stainless steel manifolds
- Microprocessor based electric panel for fixed speed pumps

SPECIFICS

- Flow-rate: 220/230 l/m
- Ports: threaded - in 2"/out Ø 1"½
- Power supply: 400 V 50 Hz
230 v 50 Hz
- Continuous service
- Other features as per specifics for the installed pump
- Dimensions: L x P x H: 625 x 793 x 840 mm
- Optional: 20 l cylindrical tanks

THREE-PHASE 230/400 V

Code	Type	HP	€
SGP123	BS2F 2x MXP 403/A	0,75 + 0,75	2.304,20
SGP124	BS2F 2x MXP 404/B	1 + 1	2.356,91
SGP125	BS2F 2x MXP 405	1,5 + 1,5	2.521,90

SINGLE-PHASE 230 V

Code	Type	HP	€
SGP133	BS2F 2x MXPM 403/A	0,75 + 0,75	2.041,81
SGP134	BS2F 2x MXPM 404/B	1 + 1	2.094,51
SGP135	BS2F 2x MXPM 405	1,5 + 1,5	2.259,51

FIXED SPEED SYSTEM WITH 2 MXP-B - THREADED



DESCRIPTION

- Fixed speed pressurization system composed by 2 multi-stage vertical pumps
- Complete with ball valve, non-return valve in suction and ball valve in intake, pressure gauges, adjustable differential pressure switches, stainless steel manifolds
- Microprocessor based electric panel for fixed speed pumps

SPECIFICS

- Flow-rate: 435 l/m
- Ports: threaded - in 2"½/out Ø 2"½
- Power supply: 400 V 50 hz
- Continuous service
- Other features as per specifics for the installed pump
- Dimensions: L x P x H - 820 x 705 x 875 mm
- Optional: 20 l cylindrical tanks

Code	Type	HP	€
SGP252	BS2F 2x MXV-B 40-804/A	2 + 2	4.033,61
SGP254	BS2F 2x MXV-B 40-806/B	3 + 3	4.154,13
SGP256	BS2F 2x MXV-B 40-808/A	4 + 4	4.597,50

Discount category A



SINGLE IMPELLER

DESCRIPTION

- Single-stage centrifugal pump, with a medium - low gear
- Horizontal single stage scroll
- Axial inlet and radially adjustable outlet

SPECIFICS

Working range:

- Flow-rate: 600 ÷ 4000 l/m
- Pressure: 123 m.c.a a 25 m.c.a
- Power: 21,7 ÷ 91,5 Hp

MATERIALS

- Pump body - gearbox: cast iron
- Impeller: cast iron
- Shaft-gears-pinion: steel

Cardan vertical pumps available on request

Code	Model	Suction	Intake	Round/P.F. ratio	€
POR302	T3-80A	80	65	547 x 5,85	3.624,48
POR303	T3-100A	100	80	545 x 5,85	3.410,64
POR310	T4-100	100	80	540 X 5,93	5.172,12
POR307	T4-125	125	100	550 X 5,47	4.673,16

PUMPS WITH OVERGEAR ACCESSORIES

Code	Model	Installable pump	€
ZVR202	Pump cart CT-2/CT-3	POR302 - POR303	1.195,56
ZVR227	Pump cart CT-4	POR310 - POR307	1.310,04
PAM001	Membrane priming pump		320,00



PUMP SUPPORT



Code	Description	€
ZVR024	Support for pumps with 3 drilled points with bearing for suction tube and winch for lifting the tube	2.760,00

TANKS

HORIZONTAL TANKS



Code	Type	Cap. liters	€
OSB100	CON 300	300	301,30
OSB105	CON 2000	2.000	1.174,00
OSB110	CON 3000	3.000	1.723,20
OSB115	CON 5000	5.000	2.477,20
OSB116	CON 10000	10.000	9.145,70

PANETTONE TANKS



Code	Type	Cap. liters	€
OSB753	PAN 2000	2.050	990,20
OSB754	PAN 3000	3.050	1.233,20
OSB755	PAN 5000	4.950	1.992,50
OSB1339	CLY10000	10.000	3.698,00

VERTICAL TANKS



Code	Type	Cap. liters	€
OSB400	NSV 100	100	231,60
OSB401	NSV 300	300	255,80
OSB407	NSV 3000	3.000	1.297,80
OSB408	NSV 4000	4.000	1.830,90
OSB409	NSV 10000	10.000	4.942,07

GAS THREADED TANK FITTINGS



Code	Type	Tank fitting	Gas thread	€
RAT100	Tanks adapter	S60 x 6 (60 mm, ridge distance 6 mm)	1" M	19,00



RAT101	Tanks adapter	S60 x 6 (60 mm, ridge distance 6 mm)	1" F	19,00
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UNDERGROUND TANKS



Code	Type	Cap. liters	€
OSB842	INVSV1500	1.360	1.257,00
OSB844	INVSV 3000	3.107	2.430,00
OSB845	INVSV 4000	4.200	2.961,80
OSB847	INVSV 5000	5.110	3.581,10
OSB848	INVSV 6000	5.983	4.577,30
OSB849	INVSV 10000	10.000	6.730,30
OSB830	INCON 2000	1.950	2.046,30
OSB831	INCON 3000	2.970	2.854,10
OSB1305	SEIMM	10.000	5.457,00

SNAKE LARGE VOLUMES TANKS



Code	Type	Cap. liters	€
OSB870	INSM 10.000	10.000	8.831,40
OSB871	INSM 15.000	15.000	13.731,70
OSB872	INSM 20.000	20.000	18.298,50
OSB873	INSM 30.000	30.000	26.386,30
OSB874	INSM 40.000	40.000	36.321,60
OSB875	INSM 50.000	50.000	48.550,80

MIX TANKS



Code	Type	Cap. liters	€
OSB889	MIX120	120	168,00
OSB990	MIX325	325	321,00
OSB991	MIX550	550	480,00
OSB992	MIX1070	1.070	938,00

Note: other models with different dimensions/capacity available on request



Hansen tank fittings see page 185

ACCESSORIES

Discount category A

SA SERIES - 230 V - SINGLE-PHASE - FOR SUBMERSIBLE ELECTRO PUMPS



APPLICATION

- 230 V single-phase motors

FEATURES

- Protection degree: IP 50

SPECIFICS

- 1 output for pressure/switch-float switch
- Running capacitor
- Thermic protection

MATERIALS

- Thermoplastic box complete with cable gland

Code	Type	Description	Ø pump	Amp. protection	Capacitor µF	€
ESA001	SA 0,50 4A 16	Starting box SA-0,5 4A-16mF	4"	4	16	70,10
ESA010	SA 0,75 6A 20	Starting box SA-0,75 6A-20mF	4"	6	20	70,10
ESA020	SA 1,00 8A 25	Starting box SA-1,00 8A-25mF	4"	8	25	70,10
ESA053	SA 1,50 12A 35	Starting box SA-1,5 12A-35mF	4"	12	35	72,10
ESA040	SA 2,00 16A 40	Starting box SA-2,0 16A-40mF	4"	16	40	74,00
ESA054	SA 0,75 6A 16	Starting box SA-0,75 6A-16mF	5"	6	16	70,10
ESA055	SA 1,00 8A 20	Starting box SA-1,00 8A-20mF	5"	8	20	70,10
ESA056	SA 1,00 10A 30	Starting box SA-1,00 10A-30mF	5"	10	30	70,10
ESA057	SA 1,50 10A 30	Starting box SA-1,50 10A-30mF	5"	10	30	70,10
ESA058	SA 2,00 14A 35	Starting box SA-2,0 14A-35mF	5"	14	35	72,10

EQE SERIES - 230 V ELECTROMECHANICAL PANEL



APPLICATION

- 230 V single-phase motors

FEATURES

- Protection degree: IP 55

SPECIFICS

- Pump protection against dry running (probes excluded)
- Running capacitor (predisposition)
- Command by control unit
- Primary and secondary circuits protection fuses
- Thermic protection
- Amperometrical adjustable protection

MATERIALS

- Thermoplastic box complete with cable gland

H VERSION (PUMP PROTECTION + AUTOMATIC COMMAND FROM CONTROL UNIT + MAKE UP VALVE)			F VERSION (+ AQUEDUCT EV ACTIVATION WHEN NO WATER IN THE TANK)		
Code	HP	€	Code	HP	€
EQEM-H/M1	1	1.116,00	EQEM-F/M1	1	792,00
EQEM-H/M1,5	1,5	1.116,00	EQEM-F/M1,5	1,5	792,00
EQEM-H/M2	2	1.166,40	EQEM-F/M2	2	792,00

EQE SERIES - 400 V ELECTROMECHANICAL PANEL



APPLICATION

- 400 V three-phase motors starting

FEATURES

- Protection degree: IP 55

SPECIFICS

- Pump protection
- Command by control unit
- Automatic make up
- Protection from the minimum pressure
- Thermic protection
- Running capacitor (predisposition)
- Primary and secondary circuits protection fuses
- Alarm outputs
- Amperometric adjustable protection
- Dry running protection

MATERIALS

- Thermoplastic box complete with cable gland

G VERSION (PUMP PROT. + AUTOMAT. COMM. FROM CONTR. UNIT LEVEL RELAY)

Code	Type	HP	Power supply	€
EQEM-G/T3	EQET3	3	400V 50 Hz	942,00
EQEM-G/T4	EQET4	4	400V 50 Hz	942,00
EQEM-G/T5.5	EQET5.5	5,5	400V 50 Hz	942,00
EQEM-G/T7.5	EQET7.5	7,5	400V 50 Hz	976,80
EQEM-G/T10	EQET10	10	400V 50 Hz	976,80
EQEM-G/T12.5	EQET12.5	12,5	400V 50 Hz	1.008,00
EQEM-G/T15	EQET15	15	400V 50 Hz	1.314,00
EQEM-G/T25	EQET25	25	400V 50 Hz	1.710,00

GMP VERSION (G VERSION + MINIMUM PRESSURE PROTECTION)

Code	Type	HP	Power supply	€
EQEM-G/MPT3	EQET3	3	400V 50 Hz	1.440,00
EQEM-G/MPT4	EQET4	4	400V 50 Hz	1.440,00
EQEM-G/MPT5.5	EQET5.5	5,5	400V 50 Hz	1.440,00
EQEM-G/MPT7.5	EQET7.5	7,5	400V 50 Hz	1.504,80
EQEM-G/MPT10	EQET10	10	400V 50 Hz	1.548,00
EQEM-G/MPT12.5	EQET12.5	12,5	400V 50 Hz	1.548,00
EQEM-G/MPT15	EQET15	15	400V 50 Hz	1.548,00
EQEM-G/MPT25	EQET25	25	400V 50 Hz	1.908,00

H VERSION (G VERSION + AUTOMATIC MAKE UP)

Code	Type	HP	Power supply	€
EQEM-H/T3	EQET3	3	400V 50 Hz	1.058,00
EQEM-H/T4	EQET4	4	400V 50 Hz	1.058,00
EQEM-H/T5.5	EQET5.5	5,5	400V 50 Hz	1.058,00
EQEM-H/T7.5	EQET7.5	7,5	400V 50 Hz	1.296,00
EQEM-H/T10	EQET10	10	400V 50 Hz	1.296,00
EQEM-H/T12.5	EQET12.5	12,5	400V 50 Hz	1.332,00
EQEM-H/T15	EQET15	15	400V 50 Hz	1.332,00
EQEM-H/T25	EQET25	25	400V 50 Hz	1.926,00

HMP VERSION (H VERSION + MINIMUM PRESSURE PROTECTION)

Code	Type	HP	Power supply	€
EQEM-H/MPT3	EQET3	3	400V 50 Hz	2.124,00
EQEM-H/MPT4	EQET4	4	400V 50 Hz	2.124,00
EQEM-H/MPT5.5	EQET5.5	5,5	400V 50 Hz	2.124,00
EQEM-H/MPT7.5	EQET7.5	7,5	400V 50 Hz	2.199,60
EQEM-H/MPT10	EQET10	10	400V 50 Hz	2.250,00
EQEM-H/MPT12.5	EQET12.5	12,5	400V 50 Hz	2.250,00
EQEM-H/MPT15	EQET15	15	400V 50 Hz	2.268,00

ACCESSORIES

Discount category A

EQE E SERIES - SIMPLEX ELECTRONIC PANEL



APPLICATION

- 220 V single-phase motor and 400 V three-phase motor

FEATURES

- Wall box
- Motors starting: single-phase 0,5 ÷ 3 hP
three-phase 0,75 ÷ 20 hP
- Auto-0-manual button
- Network/automatic/running light
- Level/overvoltage alarm
- Protection degree: IP 55
- Running capacitor (predisposition)

SPECIFICS

- Protection fuse
- Input: float/motor command pressure switch
- Input: float/pressure switch alarm
- Motor output: relays (single-phase) meter (three-phase)
- Input for 3 bipolar probes
- Filling/emptying selector
- Probes sensitivity regulator
- Motor adjustable protection – intervention time 5"

MATERIALS

- ABS box

Code	Type	HP	Power supply	€
EQE520	S-UP-M/3HP	3	220 V 50 HZ	315,40
EQE526	S-UP-T/10HP	10	400 V 50 HZ	411,80
EQE525	S-UP-T/15HP	15	400 V 50 HZ	457,30
EQE529	S-UP-T/20HP	20	400 V 50 HZ	557,20

EQE E SERIES - DUPLEX ELECTRONIC PANEL



APPLICATION

- 220 V single-phase motors and 400 V three-phase motors

FEATURES

- Wall box
- Motors starting: single-phase 0,5 ÷ 3 hP
three-phase 0,75 ÷ 20 hP
- Auto-0-manual button
- Network/automatic/running light
- Level/overvoltage alarm
- Protection degree: IP 55
- Running capacitor (predisposition)

SPECIFICS

- Motors alternation can be excluded
- 1 input for minimum level stop command
- 2 relays/meters
- Protection fuse
- 2 Inputs: float/motor command pressure switch
- Input: float/pressure switch alarm
- Motor output: relays (single-phase) meter (three-phase)
- Motor adjustable protection – intervention time 5"

MATERIALS

- ABS box

Code	Type	HP	Power supply	€
EQE522	D-UP-M/3HP	3	220 V 50 HZ	380,20
EQE532	D-UP-T/10HP	10	400 V 50 HZ	569,50
EQE541	D-UP-T/15HP	15	400 V 50 HZ	1.219,50
EQE542	D-UP-T/20HP	20	400 V 50 HZ	1.294,60

EQE E SERIES - DOMINO ELECTRONIC PANEL



APPLICATION

- 220 V single-phase motor and 400 V three-phase motor

FEATURES

- Wall box
- Motors starting: single-phase 0,5 ÷ 3 hP
three-phase 0,75 ÷ 20 hP
- Auto-0-manual button
- Auto/running light
- Level/overvoltage alarm
- Protection degree: IP 55
- Running capacitor (predisposition)

SPECIFICS

- Protection fuse time 5"
- 1 Input: pressure switch/float
- Motor output: relays (single-phase) meter (three-phase)
- Motor adjustable protection-intervention
- Operativity parameters visualization
- Protections recovery button
- Min/max voltage protection
- Motor data self-learning

MATERIALS

- ABS box

Code	Type	HP	Power supply	€
EQE590	DO-UP-M/3HP	3	220V 50 HZ	424,00
EQE591	DO-UP-T/10HP	10	400V 50 HZ	506,40
EQE592	DO-UP-T/15HP	15	400V 50 HZ	578,20
EQE593	DO-UP-T/20HP	20	400V 50 HZ	648,30

ELECTRONIC PANELS ACCESSORIES

Code	Description	€
KRL001	Preassembled kit: pump command mini relay - 24 V AC for Simplex - Domino - Duplex panel Add to the price while placing order of the electrical panel command	102,00

SUBMERSIBLE PUMPS NEOPRENE ELECTRIC CABLES - H07 RN_F



Code	Type	Voltage	€
CVN001	3 x 1 mm ²	230V M	4,60
CVN002	3 x 1,5 mm ²	230V M	5,50
CVN003	3 x 2,5 mm ²	230V M	7,80
CVN016	4 x 1,0 mm ²	400VT	5,70
CVN012	4 x 1,5 mm ²	400VT	6,80
CVN010	4 x 2,5 mm ²	400VT	9,80
CVN008	4 x 4,0 mm ²	400VT	13,80
CVN011	4 x 6,0 mm ²	400VT	19,30
CVN019	4 x 10,0 mm ²	400VT	32,70
CVN023	4 x 16,0 mm ²	400VT	47,40
CVN017	4 x 25,0 mm ²	400VT	71,20

ELECTRIC CABLES WATERTIGHT JOINTS



Code	Description	Specifics mm ²	€
EKIT001	Joint kit	4 X 1 - 2,5	40,92
EKIT003	Joint kit	4 X 4 - 6	51,94
EKIT007	Joint kit	4 X 4 - 16	74,20
GIUNTA8	Watertight assembled joint	4 x 1	92,80
GIUNTA7	Watertight assembled joint	4 x 1,5	92,80
GIUNTA9	Watertight assembled joint	4 x 2,5	92,80
GIUNTA10	Watertight assembled joint	4 x 4	105,60
GIUNTA11	Watertight assembled joint	4 x 6	147,40
GIUNTA12	Watertight assembled joint	4 x 10	147,40
GIUNTA13	Watertight assembled joint	4 x 16	210,00
GIUNTA14	Watertight assembled joint	4 x 25	304,00

Watertight joints for different cable diameters available on request

ACCESSORIES

Discount category A

EMOTRON SERIES INVERTER



Code	Kw	Hp	Amp	€
EIV050	0,75	1	2,50	1.432,50
EIV051	1,5	2	4,00	1.501,90
EIV052	2,2	3	6,00	1.765,50
EIV053	3	3	7,50	1.836,20
EIV054	4	5	9,50	1.912,70
EIV055	5,5	7,5	10,00	2.017,40
EIV056	7,5	10	18,00	2.243,40
EIV057	11	15	26,00	2.777,80
EIV058	15	20	31,00	3.348,60
EIV059	18,5	25	37,00	3.977,10
EIV060	22	30	46,00	4.438,50
EIV061	30	40	61,00	5.766,20
EIV062	37	50	74,00	6.785,50
EIV063	45	60	90,00	9.051,20

VACON SERIES 100 FLOW



Code	Kw	Hp	€
EIV214	1,1	1,5	1.730,20
EIV215	1,5	2,0	1.867,20
EIV216	2,2	3,0	2.003,40
EIV205	3,0	4,0	2.186,80
EIV217	4,0	5,0	2.428,20
EIV203	5,5	7,5	2.721,70
EIV207	7,5	10,0	3.220,70
EIV208	11,0	15,0	3.896,70
EIV218	15,0	20,0	4.654,10
EIV219	18,5	25,0	5.457,30
EIV220	22,0	30,0	6.243,30
EVR309	MBS 3000 pressure transducer - 0 ÷ 6 bar		379,70
EVR302	MBS 3000 pressure transducer - 0 ÷ 16 bar		379,70
EVR317	MBS 1900 pressure transducer - 0 ÷ 10 bar		216,10
EVR318	MBS 1900 pressure transducer - 0 ÷ 16 bar		216,10

It is recommended to define inverters with a higher power class than required for better performance over time

PRESS. AND FLOW CONTROL SYSTEMS



Code	Type	€
EPS175	Flowsystem	131,50



Code	Type	Control pressure setting	€
EPS100	Presscontrol	1,2	127,60
EPS101	Presscontrol	2,2	130,90
EPS102	Presscontrol	3,0	134,20
EPS105	Presscontrol	2,2 riarmo automatico	140,80



Code	Type	Working pressure bar	€
EPS002	SFSG 2 bipolar pressure switch	1,4 ÷ 2,8	25,30
EPS003	SFYG 22 bipolar pressure switch	2,8 ÷ 10	51,70



Code	Type	€
EPS006	Wired pressure switch, with 0,5 m H05RN-F cable with forks and PS9C Shuko plug	26,00



Code	Type	€
KRA050	T-KIT 3-way Ø1" with pressure gauge and non-return valve	32,00

COELBO INVERTER SERIES



Code	Description	€
EIV707	Inverter Speedbox sub 1112 mm - 1,5 Kw - 12 A - monofase	772,20
EIV708	Inverter Speedbox 1309 tt - 3 Kw - 9A - three-phase	997,70
EIV709	Inverter Speedbox 1314 tt - 5,5 Kw - 14A - three-phase	1.155,00



EPS140	Pressoflussostato Switchmatic 2	97,50
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EPS141	Pressoflussostato Switchmatic 2t three-phase	194,90
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EQE420	Quadro el. Switchmatic 2 monofase	434,50
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INVERTER SINUSOIDAL FILTERS



Code	Description	€
EVR361	DW/DT sinusoidal filters 16A 520V AC 0-100Hz 7kW	876,70
EVR362	DW/DT sinusoidal filters 33A 520V AC 0-100Hz 16kW	1.468,40
EVR360	DW/DT sinusoidal filters 3A 520V AC 0-100Hz 22kW	2.542,30

Note: application is recommended for >70 m pump/inverter distances

SINGLE-PHASE MOTORS CAPACITORS



Code	Capacitor µF	€
ECD009	16	11,00
ECD001	20	13,20
ECD002	25	14,30
ECD004	35	16,50
ECD005	40	18,70
ECD006	50	24,20
ECD007	60	26,40

LEVEL CONTROL

Code	Description	€
ESN100	Dry running control kit with 3 probes	300,00



ESN001	Level probe	23,10
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ERL205	24 - 240V AC level relay	170,50
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FLOATING SWITCHES

Code	M cavo rivestimento Neoprene	€
EGL011	2	19,80
EGL012	5	25,30
EGL013	10	36,30
EGL014	15	42,90



PVC coated on request

WELLS

WELLHEAD IN PVC WITH CABLE GLAND

Code	Ø _{est}		hole	€
	inches	mm		
RTS065	3"		2"	104,20
RTS066	4"		1"¼	117,60
RTS067	4"		1"½	117,60
RTS068	4"		2"	117,60
RTS126		100	1"½	178,20
RTS123		125	2"	178,20
RTS125		125	2"½	178,20
RTS124		125	3"	178,20
RTS132		140	1"½	178,20
RTS135		160	1"¼	200,20
RTS134		160	2"	200,20
RTS133		160	3"	200,20
RTS145		180	3"	231,90
RTS207		200	1"½	260,00
RTS208		200	2"	260,00



IRON/WOOD PUMP SUPPORT SADDLES

Code	Ø	€
FFL001	1"	60,50
FFL010	1"¼	60,50
FFL002	1"½	60,50
FFL003	2"	60,50
FFL004	2"½	86,90
FFL005	3"	86,90
FFL006	3"½	86,90
FFL007	4"	86,90
FFL008	5"	86,90
FFL009	6"	86,90



AUTOCLAVES

VERTICAL

Code	Type	Cap. l	€
FID060	SZ - 24 SP	24	96,90
PAT158	SZ - 60 VERT	60	348,70
PAT160	SZ - 100 VERT	100	590,80
PAT161	SZ - 200 VERT	200	1.041,10
PAT162	SZ - 300 VERT	300	1.298,10
PAT164	SZ - 500 VERT	500	2.169,40



With butyl (suitable for food use) interchangeable membrane - epoxy painted body (CE certification)

VERTICAL 10 BAR

Code	Type	Cap. l	€
PAT176	Pressurwave	60	393,30
PAT177	Pressurwave	80	485,90
PAT174	Pressurwave	100	612,30
PAT178	Pressurwave	150	808,80
PAT179	Challenge	200	1.280,60
PAT180	Challenge	250	1.600,90
PAT181	Challenge	300	1.874,00
PAT168	Challenge	450	2.495,20
PAT192	Superflow	500	4.109,20



Body painted with two-component polyurethane paint on an epoxy primer (CE/PED, WRAS, ACS, ISO-9001, Gost, Approved by Evraz)

AUTOCLAVES ACCESSORIES

Code	Description	€
PAC052	Check valve and pressure gauge kit	60,00
KRA005	1" hydraulic kit* for autoclaves	105,60
KRA004	Hydraulic kit* 1"½ for autoclaves	167,20

*Consisting of: galvanized fittings, pressure gauge, sectioning ball valves



FITTINGS

GREEN LINE COMPRESSION FITTINGS

Discount category C



APPLICATION

- Compression fitting for PE pipes

SPECIFICS

- Maximum working pressure: 16 bar (Ø 90/110 reduced maximum pressure)
- Resistant to chemical products normally used in agriculture
- UV high-resistance body and rings
- O-ring hydraulic seal

FEATURES

- Conical tightening of high resistance thanks to an internal ring of conical tapping
- Different models and diameters
- It does not affect water taste and smell

MATERIALS

- UV resistant polypropylene
- Natural rubber o-ring

MALE FITTING



FEMALE FITTING



ELBOW THREADED DERIVATION FEMALE



ELBOW THREADED DERIVATION MALE



Ø	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.
16 x 1/2"	RGMV098	500	20	1,34	RGFV098	500	20	1,35	RGOV098	400	20	1,64	RGOV117	400	20	1,67
16 x 3/4"	RGMV099	400	20	1,34	RGFV099	400	20	1,35	RGOV099	300	20	1,64	RGOV118	360	20	1,67
20 x 1/2"	RGMV100	480	20	1,51	RGFV100	500	20	1,54	RGOV100	400	20	1,98	RGOV119	400	20	1,67
20 x 3/4"	RGMV101	400	20	1,51	RGFV101	400	20	1,54	RGOV101	300	20	1,98	RGOV145	360	20	1,73
25 x 1/2"	RGMV103	280	20	1,69	RGFV102	240	20	1,84	RGOV102	240	20	2,46	RGOV146	240	20	2,05
25 x 3/4"	RGMV104	280	20	1,69	RGFV104	280	20	1,84	RGOV103	240	20	2,46	RGOV125	240	20	2,07
25 x 1"	RGMV105	280	20	1,68	RGFV105	240	20	1,84	RGOV104	200	20	2,46	RGOV126	200	20	2,15
32 x 1/2"	RGMV118	200	20	2,18	RGFV114	200	20	2,38	RGOV105	140	20	2,89				
32 x 3/4"	RGMV106	200	20	2,18	RGFV106	200	20	2,38	RGOV106	120	20	2,89	RGOV128	150	15	2,77
32 x 1"	RGMV107	160	20	2,18	RGFV107	160	20	2,38	RGOV107	120	20	2,89	RGOV129	120	20	2,76
32 x 1 1/4"	RGMV108	160	20	2,28	RGFV108	160	20	2,64	RGOV108	120	20	2,87	RGOV130	100	20	2,68
40 x 3/4"	RGMV109	100	20	4,00												
40 x 1"	RGMV110	105	15	4,00	RGFV109	105	15	3,96	RGOV109	60	10	5,54	RGOV131	60	10	4,40
40 x 1 1/4"	RGMV111	90	15	4,00	RGFV110	90	15	3,96	RGOV110	60	10	5,54	RGOV132	60	10	4,40
40 x 1 1/2"	RGMV112	90	15	4,00	RGFV111	90	15	4,39					RGOV133	60	10	4,39
50 x 1 1/4"	RGMV113	64	-	5,34									RGOV134	40	-	5,93
50 x 1 1/2"	RGMV114	64	-	5,34	RGFV112	60	-	5,23	RGOV111	40	-	7,45	RGOV135	38	-	5,92
50 x 2"	RGMV115	62	-	5,34									RGOV136	35	-	5,85
63 x 1 1/2"	RGMV116	44	-	7,49												
63 x 2"	RGMV117	44	-	7,49	RGFV113	35	-	7,31	RGOV112	25	-	10,24	RGOV137	23	-	8,24

COUPLING



TEE



ELBOW



END PLUG



Ø	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.
16	RBGV000	280	20	2,04	RTIV099	160	20	2,76	RGOV000	240	20	2,12	RTTV000	480	20	1,47
20	RBGV001	280	20	2,42	RTIV100	160	20	3,30	RGOV001	240	20	2,50	RTTV001	480	20	1,71
25	RBGV002	160	20	2,97	RTIV101	90	15	4,34	RGOV002	160	20	3,09	RTTV002	320	20	1,88
32	RBGV003	90	15	3,80	RTIV102	50	10	5,83	RGOV003	90	15	3,82	RTTV003	200	20	2,31
40	RBGV004	60	10	6,38	RTIV103	30	5	9,59	RGOV004	45	5	6,83	RTTV004	120	20	4,00
50	RBGV005	40	-	8,69	RTIV104	18	-	13,02	RGOV005	25	-	9,35	RTTV005	75	-	5,79
63	RBGV006	22	-	12,27	RTIV105	10	-	18,54	RGOV006	16	-	11,82	RTTV006	48	-	8,02

PN10 fittings

THREADED TEE COUPLING MALE



Ø	Code	Box	Enve.	€/ea.
16 x 1/2" x 16	RTMV098	200	20	2,73
16 x 3/4" x 16	RTMV099	200	20	2,73
20 x 1/2" x 20	RTMV100	200	20	2,87
20 x 3/4" x 20	RTMV101	200	20	2,87
25 x 1/2" x 25	RTMV102	120	20	3,33
25 x 3/4" x 25	RTMV103	120	20	3,33
25 x 1" x 25	RTMV104	120	20	3,33
32 x 3/4" x 32	RTMV106	75	15	4,23
32 x 1" x 32	RTMV107	70	10	4,59
32 x 1 1/4" x 32	RTMV108	60	10	4,39
40 x 1" x 40	RTMV109	35	5	7,45
40 x 1 1/4" x 40	RTMV110	35	5	8,48
50 x 1 1/4" x 50	RTMV111	23	-	11,56
50 x 1 1/2" x 50	RTMV112	23	-	11,56
63 x 2" x 63	RTMV113	12	-	21,92

THREADED TEE COUPLING FEMALE



Code	Box	Enve.	€/ea.
RTFV098	200	20	2,37
RTFV099	160	20	2,37
RTFV100	200	20	2,73
RTFV101	160	20	2,72
RTFV102	120	20	3,48
RTFV103	120	20	3,48
RTFV104	120	20	3,48
RTFV105	70	10	4,53
RTFV106	70	10	4,53
RTFV107	70	10	4,52
RTFV108	60	10	4,72
RTFV109	40	5	8,12
RTFV110	40	5	8,12
RTFV111	25	-	10,88
RTFV112	14	-	16,00

REDUCED SLEEVE



Ø	Code	Box	Enve.	€/ea.
20 x 16	RMRV007	280	20	2,49
25 x 20	RMRV008	200	20	2,76
32 x 20	RMRV009	160	20	3,58
32 x 25	RMRV010	120	20	3,68
40 x 20	RMRV011	80	20	6,28
40 x 25	RMRV012	90	10	6,28
40 x 32	RMRV013	80	10	6,28
50 x 20	RMRV014	60	-	8,24
50 x 25	RMRV015	60	-	8,24
50 x 32	RMRV016	60	-	8,24
50 x 40	RMRV017	47	-	8,24
63 x 25	RMRV018	48	-	11,52
63 x 32	RMRV019	48	-	11,52
63 x 40	RMRV020	32	-	11,52
63 x 50	RMRV021	32	-	11,52

REDUCING TEE



Ø	Code	Box	Enve.	€/ea.
20 x 16 x 20	RTRV001	160	20	4,07
25 x 20 x 25	RTRV002	120	20	4,67
25 x 32 x 25	RTRV003	80	20	6,12
32 x 20 x 32	RTRV004	60	15	6,12
32 x 25 x 32	RTRV005	60	15	6,13
40 x 25 x 40	RTRV006	35	5	8,54
40 x 32 x 40	RTRV007	30	5	8,54
50 x 25 x 50	RTRV008	20	-	11,22
50 x 32 x 50	RTRV009	20	-	11,22
50 x 40 x 50	RTRV010	20	-	11,66
63 x 32 x 63	RTRV011	12	-	15,15
63 x 40 x 63	RTRV012	12	-	15,15
63 x 50 x 63	RTRV013	12	-	15,15

COUPLING FITTING



Ø	Code	Box	Enve.	€/ea.
25 x 1"	RBFV001	200	20	4,28
32 x 1"	RBFV002	160	20	4,65

COUPLING ELBOW



Code	Box	Enve.	€/ea.
RGFV001	180	20	4,68
RGFV002	120	20	5,24

BLUE LINE COMPRESSION FITTINGS

Discount category C



APPLICATION

- Compression fitting for PE pipes

SPECIFICS

- Maximum working pressure: 16 bar (Ø 90 ÷ 110 reduced maximum pressure)
- Resistant to chemical products normally used in agriculture
- UV high-resistance body and rings
- O-ring hydraulic seal

FEATURES

- Conical tightening of high resistance thanks to an internal ring of conical tapping
- Different models and diameters
- It does not affect water taste and smell

MATERIALS

- UV resistant polypropylene
- Natural rubber o-ring

MALE FITTING



FEMALE FITTING



FEMALE THREADED DERIVATION ELBOW



MALE THREADED DERIVATION ELBOW



Ø	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.
16 x 1/2"	RGMI098	500	20	1,47	RGFI130	500	20	1,68	RGOI098	400	20	2,47	RGOI117	400	20	2,08
16 x 3/4"	RGMI099	400	20	1,47	RGFI129	400	20	1,68	RGOI099	300	20	2,31	RGOI116	360	20	1,97
20 x 1/2"	RGMI100	280	20	1,67	RGFI100	200	20	2,29	RGOI100	220	20	2,52	RGOI119	280	20	2,12
20 x 3/4"	RGMI101	280	20	1,67	RGFI101	200	20	2,29	RGOI101	200	20	2,64	RGOI145	280	20	2,12
25 x 1/2"	RGMI103	160	10	2,07	RGFI102	140	10	2,56	RGOI102	120	10	3,18	RGOI146	120	10	2,35
25 x 3/4"	RGMI104	140	10	2,03	RGFI104	120	10	2,56	RGOI103	120	10	3,18	RGOI125	120	10	2,35
25 x 1"	RGMI105	140	10	2,06	RGFI105	120	10	2,56	RGOI104	100	10	3,36	RGOI126	120	10	2,35
32 x 3/4"	RGMI106	100	10	2,63	RGFI106	80	10	3,13	RGOI106	90	10	3,77	RGOI128	90	10	3,16
32 x 1"	RGMI107	100	10	2,55	RGFI107	80	10	3,13	RGOI107	80	10	3,85	RGOI129	80	10	3,16
32 x 1 1/4"	RGMI108	100	10	3,41												
40 x 1"	RGMI110	60	5	4,62	RGFI109	60	5	5,39								
40 x 1 1/4"	RGMI111	60	5	4,62	RGFI110	50	5	5,39	RGOI110	40	5	7,39	RGOI131	45	5	5,04
40 x 1 1/2"	RGMI112	50	5	4,62	RGFI111	50	5	5,61								
50 x 1 1/4"	RGMI113	30	5	6,05												
50 x 1 1/2"	RGMI115	30	5	6,05	RGFI113	25	5	7,07	RGOI113	20	5	9,85	RGOI132	20	5	6,82
50 x 2"	RGMI130	30	5	6,05												
63 x 1 1/2"	RGMI116	25	-	8,57	RGFI115	15	-	10,02								
63 x 2"	RGMI117	25	-	8,57	RGFI116	15	-	10,02	RGOI115	20	-	13,30	RGOI135	20	-	9,33
63 x 2 1/2"	RGMI118	25	-	8,57												
75 x 2"	RGMI119	12	-	17,09	RGFI118	12	-	20,02								
75 x 2 1/2"	RGMI120	12	-	17,09	RGFI119	12	-	20,02	RGOI118	8	-	23,83	RGOI138	8	-	18,62
90 x 2"	RGMI122*	13	-	21,36												
90 x 3"	RGMI124*	14	-	21,33	RGFI123*	14	-	22,46	RGOI121*	10	-	41,02	RGOI141*	10	-	24,78
90 x 4"	RGMI125*	13	-	22,23									RGOI142*	10	-	26,91
110 x 3"	RGMI128*	8	-	38,93	RGFI127*	7	-	75,10	RGOI123*	7	-	97,15				
110 x 4"	RGMI129*	7	-	45,47	RGFI128*	7	-	64,62	RGOI124*	5	-	69,53	RGOI144*	6	-	51,67

PN16 fittings - *PN12.5 fittings

COUPLING



90° TEE



ELBOW



END PLUG



Ø	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.
16	RBGI010	280	20	2,27	RTII099	160	20	3,18	RGOI010	240	20	2,43	RTTI010	480	20	1,61
20	RBGI001	160	20	2,97	RTII100	100	20	3,91	RGOI001	160	20	3,02	RTTI001	320	20	2,02
25	RBGI002	80	10	3,49	RTII101	40	10	5,30	RGOI002	70	10	3,63	RTTI002	140	10	2,26
32	RBGI003	60	10	4,53	RTII102	50	10	6,71	RGOI003	50	10	4,56	RTTI003	120	10	2,75
40	RBGI004	40	5	7,34	RTII103	30	-	10,94	RGOI004	40	5	7,81	RTTI004	70	5	4,64
50	RBGI005	30	5	9,98	RTII104	10	-	14,73	RGOI005	15	5	10,87	RTTI005	30	5	6,82
63	RBGI006	10	-	13,75	RTII105	8	-	21,93	RGOI006	12	-	13,81	RTTI006	20	-	9,17
75	RBGI007	9	-	25,73	RTII106	6	-	36,44	RGOI007	6	-	25,55	RTTI007	15	-	22,20
90	RBGI008*	8	-	33,80	RTII107*	8	-	51,38	RGOI008*	8	-	33,67	RTTI008*	9	-	25,57
110	RBGI009*	6	-	70,36	RTII108*	4	-	100,33	RGOI009*	6	-	67,89	RTTI009*	5	-	51,61

REDUCING TEE



THREADED TEE COUPLING FEMALE



THREADED TEE COUPLING MALE



Ø	Code	Box	Enve.	€/ea.
16 x 20 x 16	RTRIO01	160	20	4,71
20 x 16 x 20	RTRIO21	160	20	4,63
25 x 20 x 25	RTRIO20	50	10	5,34
25 x 32 x 25	RTRIO02	40	10	7,00
32 x 25 x 32	RTRIO03	50	10	7,00
40 x 32 x 40	RTRIO05	35	5	13,64
50 x 40 x 50	RTRIO08	25	5	20,08
63 x 50 x 63	RTRIO12*	14	-	24,70
110 x 90 x 110	RTRIO19*	4	-	119,90

Ø	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.
16 x 1/2" x 16	RTFI098	200	20	3,50	RTMI098	200	20	3,19
16 x 3/4" x 16	RTFI099	160	20	3,07	RTMI099	200	20	3,19
20 x 1/2" x 20	RTFI100	120	20	3,86	RTMI100	120	20	3,32
20 x 3/4" x 20	RTFI101	100	20	3,83	RTMI101	120	20	3,32
25 x 1/2" x 25	RTFI102	60	10	4,98	RTMI102	60	10	4,20
25 x 3/4" x 25	RTFI103	60	10	4,78	RTMI103	60	10	4,20
25 x 1" x 25	RTFI104	60	10	4,66	RTMI104	60	10	4,20
32 x 3/4" x 32	RTFI106	60	10	6,18	RTMI106	50	10	5,45
32 x 1" x 32	RTFI107	60	10	6,18	RTMI107	40	10	5,45
40 x 1" x 40	RTFI108	40	5	10,41	RTMI109	40	5	9,40
40 x 1 1/4" x 40	RTFI109	40	5	10,41	RTMI110	35	5	9,40
50 x 1 1/2" x 50	RTFI128	12	5	14,72	RTMI114	10	5	13,18
63 x 2" x 63	RTFI114	10	-	25,44	RTMI118	12	-	25,51
75 x 2 1/2" x 75	RTFI117	8	-	37,54	RTMI121	9	-	31,91
90 x 3" x 90	RTFI120*	8	-	55,00	RTMI124*	6	-	50,43
110 x 4" x 110	RTFI124*	5	-	82,05	RTMI128*	6	-	73,93

REDUCED SLEEVE



Ø	Code	Box	Enve.	€/ea.
20 x 16	RMRI006	280	20	3,13
25 x 20	RMRI008	120	10	3,23
32 x 25	RMRI010	80	10	4,20
40 x 25	RMRI011	45	5	7,24
40 x 32	RMRI012	45	5	7,24
50 x 40	RMRI014	25	5	9,21
63 x 32	RMRI016	15	-	13,18
63 x 40	RMRI017	15	-	13,20
63 x 50	RMRI018	10	-	13,20
75 x 63	RMRI019*	9	-	24,01
90 x 63	RMRI021*	12	-	33,69
90 x 75	RMRI022*	12	-	38,03
110 x 75	RMRI023*	6	-	84,96
110 x 90	RMRI024*	5	-	70,65

PN16 fittings - *PN12.5 fittings

BLUE LINE COMPRESSION FITTINGS

Discount category C

COMPRESS. VALVE X COMPRESS.



Ø	Code	Box	Enve.	€/ea.
20 x 20	FVC401	100	10	15,82
25 x 25	FVC402	35	5	19,76
32 x 32	FVC403	35	5	22,40
40 x 40	FVC404	15	5	36,09
50 x 50	FVC405	10	5	38,76
63 x 63	FVC406	10	1	60,91

COMPRESS. VALVE X MALE



Ø	Code	Box	Enve.	€/ea.
20 x 1/2"	FVC411	150	10	10,02
20 x 3/4"	FVC412	150	10	13,18
25 x 3/4"	FVC413	50	5	13,18
32 x 1"	FVC414	50	5	14,51
40 x 1 1/4"	FVC415	15	5	26,35
50 x 1 1/2"	FVC416	15	5	30,30
63 x 2"	FVC417	10	1	44,78

COMPRESS. VALVE X FEMALE



Code	Box	Enve.	€/ea.
FVC420	150	10	10,02
FVC421	150	10	13,18
FVC422	50	5	13,18
FVC423	50	5	14,51
FVC424	15	5	26,35
FVC425	15	5	30,30
FVC426	10	1	44,78

PP GATE VALVE WITH COMPRESSION FITTINGS



Ø	Code	Box	B.	€/ea.
20 x 20 x 20	FVII001	60	10	12,14
25 x 25 x 25	FVII002	40	10	12,84
32 x 32 x 32	FVII003	50	10	14,16

PP FEMALE FITTINGS WITH O-RING



Ø	Code	Box	B.	€/ea.
25 x 1"	RBF1001	110	10	3,93
32 x 1"	RBF1002	80	10	4,33
40 x 1"	RBF1003	50	5	6,13

PP FLANGE FITTING



Ø	Code	Box	B.	€/ea.
63 x 2"	RFF1001	18	-	54,97
75 x 3"	RFF1002	8	-	93,21
110 x 4"	RFF1005*	4	-	152,05

PP TAP WALL PLATE



Ø	Code	Box	B.	€/ea.
20 x 1/2"	RPM1001	120	20	5,99
25 x 3/4"	RPM1002	60	10	6,86

PN16 fittings - *PN12.5 fittings



APPLICATION

- PE pipes compression fitting

SPECIFICS

- Maximum working pressure: 16 bar
- Hi-grade polypropylene
- UV high resistance

- Reinforce rings on female thread starting from 1 1/4 diameter

FEATURES

- Conical tightening of high resistance thanks to an internal ring of conical tapping
- Full range of different models and diameters

- UNI 9561 and ENI EN ISO 15494
- In compliance with DM N. 174 of 06th april 2004

COUPLING



90° TEE



90° ELBOW



45° ELBOW



Ø	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.
16	RBG001	400	10	4,05	RTE001	220	10	5,29	RG0001	350	10	4,38				
20	RBG002	200	10	5,61	RTE002	120	10	7,26	RG0002	200	10	5,61				
25	RBG003	180	10	6,71	RTE003	100	5	9,68	RG0003	150	10	6,82				
32	RBG004	100	5	8,58	RTE004	60	5	12,54	RG0004	100	5	8,47	RG0015	100	5	11,22
40	RBG005	75	1	13,97	RTE005	40	1	20,68	RG0005	60	1	14,74	RG0016	60	1	18,70
50	RBG006	45	1	19,03	RTE006	25	1	27,83	RG0006	35	1	20,68	RG0017	40	1	25,30
63	RBG007	30	1	26,51	RTE007	16	1	39,60	RG0007	24	1	24,97	RG0014	24	1	34,10
75	RBG008	16	1	49,83	RTE008	7	1	68,86	RG0008	12	1	48,51	RG0019	12	1	69,63
90	RBG009	8	1	61,71	RTE009	5	1	95,37	RG0009	8	1	60,17	RG0018	8	1	80,19
110	RBG010	5	1	132,00	RTE010	2	1	185,90	RG0010	4	1	124,30	RG0021	4	1	163,90
125	RBG011	3	1	224,40												

REPAIR SLEEVE



END PLUG



45° TEE



MODULAR ADAPTER



Ø	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.
20	RBG100	240	10	6,93	RTT001	350	10	3,93					RAM001	300	10	5,50
25	RBG101	150	10	8,03	RTT002	250	10	4,17					RAM003	180	5	8,58
32	RBG102	80	5	10,56	RTT003	180	5	5,12					RAM004	100	5	14,85
40	RBG103	55	1	16,72	RTT004	110	1	8,58					RAM005	70	1	20,46
50	RBG104	30	1	23,10	RTT005	75	1	12,65					RAM006	45	1	27,06
63	RBG105	24	1	30,47	RTT006	45	1	17,27	RTE015	10	1	51,48				
75	RBG106	16	1	58,19	RTT009	28	1	41,14	RTE016	5	1	89,65				
90	RBG107	8	1	74,03	RTT007	16	1	46,97	RTE017	4	1	124,30				
110	RBG108	5	1	151,80	RTT010	10	1	101,20	RTE018	2	1	242,00				
125	RBG109	3	1	250,80												

WHITE/BLACK LINE COMPRESSION FITTINGS



Discount category A

MALE FITTING



FEMALE FITTING



MALE THREADED DERIVATION ELBOW



FEMALE THREADED DERIVATION ELBOW



Ø	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.
16 x 3/8"	RGM031	600	10	2,68												
16 x 1/2"	RGM001	500	10	2,68	RGF001	500	10	2,52					RG0020	500	10	3,34
16 x 3/4"	RGM002	500	10	2,68	RGF002	500	10	2,52								
20 x 1/2"	RGM003	350	10	3,22	RGF003	350	10	3,42	RG0050	350	10	3,63	RG0022	350	10	4,17
20 x 3/4"	RGM004	350	10	3,22	RGF004	350	10	3,42	RG0051	300	10	3,63	RG0023	300	10	4,17
20 x 1"	RGM005	350	10	3,42	RGF005	300	10	3,63								
25 x 1/2"	RGM006	250	10	3,63					RG0062	240	10	4,42	RG0024	250	10	5,21
25 x 3/4"	RGM007	250	10	3,63	RGF007	250	10	4,05	RG0052	250	10	4,42	RG0025	250	10	5,21
25 x 1"	RGM008	250	10	3,63	RGF008	250	10	4,05	RG0061	240	10	4,42	RG0026	220	10	5,21
32 x 3/4"	RGM009	150	5	4,77	RGF009	150	5	5,12					RG0028	150	5	6,16
32 x 1"	RGM010	150	5	4,77	RGF010	150	5	5,12	RG0053	140	5	5,83	RG0029	150	5	6,16
32 x 1 1/4"	RGM011	150	5	5,21	RGF011	140	5	7,26					RG0030	120	5	8,91
32 x 1 1/2"	RGM032	140	5	5,72												
40 x 1"	RGM012	110	1	8,69	RGF012	110	1	8,91	RG0060	90	1	9,24	RG0032	100	1	12,21
40 x 1 1/4"	RGM013	110	1	8,69	RGF013	110	1	8,91	RG0054	90	1	9,24	RG0033	90	1	12,21
40 x 1 1/2"	RGM014	100	1	8,69	RGF014	100	1	8,91	RG0058	80	1	9,24	RG0034	80	1	12,21
40 x 2"	RGM015	100	1	9,02									RG0035	65	1	12,54
50 x 1"	RGM034	70	1	11,44					RG0063	55	1	11,99	RG0042	70	1	16,28
50 x 1 1/4"	RGM016	70	1	11,44	RGF022	75	1	12,10	RG0055	55	1	11,99	RG0041	60	1	16,28
50 x 1 1/2"	RGM017	70	1	11,44	RGF015	70	1	12,10	RG0056	55	1	12,65	RG0036	60	1	16,28
50 x 2"	RGM018	65	1	11,44	RGF016	70	1	12,10					RG0037	45	1	16,28
63 x 1 1/4"	RGM035	48	1	16,28	RGF027	48	1	17,16	RG0069	35	1	17,60	RG0046	35	1	22,00
63 x 1 1/2"	RGM019	48	1	16,28	RGF025	48	1	17,16	RG0066	35	1	17,60	RG0043	35	1	22,00
63 x 2"	RGM020	48	1	16,28	RGF017	48	1	17,16	RG0057	35	1	17,60	RG0038	35	1	22,00
63 x 2 1/2"	RGM021	45	1	16,28												
75 x 2"	RGM022	28	1	32,34	RGF018	27	1	33,77					RG0039	20	1	39,82
75 x 2 1/2"	RGM023	28	1	32,34	RGF019	27	1	33,77	RG0064	18	1	37,40	RG0040	18	1	39,82
75 x 3"	RGM024	25	1	32,34					RG0065	18	1	37,40	RG0045	18	1	39,82
90 x 2"	RGM025	16	1	38,17	RGF020	14	1	39,60								
90 x 2 1/2"	RGM029	16	1	38,17												
90 x 3"	RGM026	16	1	38,17	RGF023	14	1	39,60	RG0067	12	1	46,86				
90 x 4"	RGM033	12	1	45,65	RGF026	12	1	43,56								
110 x 2"	RGM030	8	1	75,35												
110 x 3"	RGM028	8	1	75,35	RGF024	8	1	94,05								
110 x 4"	RGM027	8	1	75,35	RGF021*	8	1	94,05	RG0068	6	1	91,08				

Y FITTING WITH THREADED MALE OFFTAKE - 7550



ADAPTER



ELBOW WALL PLATE



Ø	Code	Box	Enve.	€/ea.
20 x 20 x 3/4"	RBF002	120	10	6,38
25 x 25 x 3/4"	RBF003	100	5	11,77

Ø	Code*	Box	Enve.	€/ea.	Code	Box	Enve.	€/ea.
16 x 1/2"					RPL003	150	1	9,57
20 x 1/2"					RPL001	150	1	9,57
25 x 3/4"	RAD061	200	1	4,21	RPL002	100	1	11,44
32 x 1"	RAD064	180	1	6,71				
40 x 1 1/4"	RAD066	130	1	9,35				
50 x 1 1/2"	RAD070	80	1	11,55				
63 x 2"	RAD075	60	1	17,27				

*Scheduled delivery

PN16 fittings - *PN6 fittings

FEMALE THREADED DERIVATION TEE



Ø	Code	Box	Enve.	€/ea.
16 x 1/2" x 16	RTF024	240	10	4,38
16 x 3/4" x 16	RTF020	240	10	4,38
20 x 1/2" x 20	RTF001	180	10	5,83
20 x 3/4" x 20	RTF003	180	10	5,83
25 x 1/2" x 25	RTF004	140	5	7,48
25 x 3/4" x 25	RTF006	140	5	7,48
25 x 1" x 25	RTF007	100	5	8,25
25 x 1 1/4" x 25				
32 x 3/4" x 32	RTF008	80	5	9,68
32 x 1" x 32	RTF009	80	5	9,68
32 x 1 1/4" x 32	RTF010	60	5	12,21
32 x 1 1/2" x 32	RTF018	60	5	12,54
40 x 1" x 40	RTF011	60	1	17,60
40 x 1 1/4" x 40	RTF012	55	1	17,60
40 x 1 1/2" x 40	RTF013	50	1	19,03
40 x 2" x 40	RTF029	45	1	20,13
50 x 1 1/2" x 50	RTF014	36	1	23,43
50 x 2" x 50	RTF015	30	1	26,51
63 x 1 1/4" x 63	RTF030	20	1	35,31
63 x 1 1/2" x 63	RTF025	20	1	35,31
63 x 2" x 63	RTF016	20	1	33,77
75 x 2" x 75	RTF019	9	1	58,52
75 x 2 1/2" x 75	RTF017	9	1	58,52
75 x 3" x 75	RTF022	9	1	58,52
90 x 3" x 90	RTF023	7	1	90,53
110 x 4" x 110	RTF021*	4	1	136,40

MALE THREADED DERIVATION TEE



Code	Box	Enve.	€/ea.
RTM001	180	10	6,16
RTM002	180	10	6,16
RTM006	140	5	8,03
RTM003	140	5	8,03
RTM004	80	5	10,01
RTM005	50	1	17,60
RTM016	50	1	19,03
RTM017	36	1	24,97
RTM018			48,51

**Scheduled delivery

REDUCING TEE



Ø	Code	Box	Enve.	€/ea.
20 x 16 x 20	RTR011	150	10	8,47
25 x 20 x 25	RTR001	100	5	9,46
32 x 25 x 32	RTR009	70	5	12,21
40 x 25 x 40	RTR012	45	1	20,68
40 x 32 x 40	RTR003	40	1	20,68
50 x 25 x 50	RTR014	30	1	27,83
50 x 32 x 50	RTR008	30	1	27,83
50 x 40 x 50	RTR004	30	1	27,83
63 x 32 x 63	RTR007	20	1	36,74
63 x 40 x 63	RTR016	20	1	36,74
63 x 50 x 63	RTR005	18	1	36,74
75 x 63 x 75	RTR006	7	1	68,86

TEE DI RIPARAZIONE



Ø	Code**	Box	Enve.	€/ea.
20	RTR102	120	10	9,79
25	RTR101	100	5	12,54
32	RTR103	60	5	15,18
40	RTR104	40	1	25,08
50	RTR105	25	1	34,76
63	RTR106	16	1	47,74

**Scheduled delivery

REDUCTION SLEEVE



Ø	Code	Box	Enve.	€/ea.
20 x 16	RMRO13	300	10	5,61
25 x 16	RMRO19	220	10	5,94
25 x 20	RMRO01	200	10	5,94
32 x 20	RMRO02	150	5	8,03
32 x 25	RMRO03	120	5	8,03
40 x 25	RMRO04	90	1	13,53
40 x 32	RMRO05	90	1	13,53
50 x 25	RMRO12	70	1	17,60
50 x 32	RMRO06	70	1	17,60
50 x 40	RMRO07	60	1	17,60
63 x 25	RMRO14	50	1	24,97
63 x 32	RMRO15	45	1	24,97
63 x 40	RMRO08	40	1	24,97
63 x 50	RMRO09	36	1	24,97
75 x 50	RMRO10	22	1	45,43
75 x 63	RMRO11	18	1	45,43
90 x 63	RMRO16	12	1	60,17
90 x 75	RMRO17	10	1	60,17
110 x 75				
110 x 90	RMRO18	6	1	126,50

REDUCTION SET



Code	Box	Enve.	€/ea.
RRD300	300	10	3,42
RRD301	300	10	5,83
RRD302	250	10	4,42
RRD303	180	10	6,82
RRD304**	200	10	9,90
RRD305	120	5	9,13
RRD306	120	5	8,47
RRD307**	120	5	8,14
RRD308	80	0	13,86
RRD309	80	1	13,53
RRD310	80	0	13,53
RRD311	80	0	35,75
RRD313	22	1	53,57
RRD314	20	1	46,64

**Scheduled delivery

PVC FITTINGS ELASTOMETRIC JOINT

Discount category A



APPLICATION

- Drinkable water - fluids in pressure

SPECIFICS

- Maximum workin pressure: 10 bar
- MRS (minimum resistance to breaking load 50 years at 20°C): 25 Mpa (250 bar)
- Execution: head/head welding - thermoforming - moulding
- Colour: RAL7011 grey

FEATURES

- Joint with elastometric seal
- Complying with: UNI EN 1452-UNI EN 681-1 rules

MATERIALS

- Rigid stabilized PVC pipe for pressure ducts with Ca-Zn salts
- Elastomeric rubber seal

90° MALE/FEMALE BEND



45° MALE/FEMALE BEND



22°30' MALE/FEMALE BEND



RUBBER SEALS



Ø	Code	PN	€	Code	PN	€	Code	PN	€
75	RG0251	10	45,34	RG0260	10	42,33	RG0266	10	62,13
90	RG0252	10	57,26	RG0261	10	51,89	RG0267	10	62,54
110	RG0253	10	64,25	RG0262	10	58,54	RG0268	10	58,54
125	RG0254	10	83,72	RG0263	10	70,55	RG0270	10	70,55
140	RG0255	10	116,84	RG0264	10	88,62	RG0271	10	88,62
160	RG0256	10	144,24	RG0265	10	120,92	RG0269	10	120,92

Ø	Code	€
60 mm	AGR001	2,69
80 mm	AGR002	3,15
100 mm	AGR003	3,74
120 mm	AGR004	5,25

FEMALE/MALE REDUCTION



SHORT SLIDING COUPLING



LONG SLIDING COUPLING



Ø		Code	PN	€
F.	M.			
110	75	RRD360	10	110,66
125	75	RRD361	10	187,61
125	90	RRD362	10	187,61
140	75	RRD363	10	251,98
140	90	RRD364	10	251,98
140	110	RRD365	10	251,98
160	90	RRD366	10	307,95
160	110	RRD367	10	307,95
160	125	RRD368	10	307,95
180	90	RRD369	10	527,62
180	110	RRD370	10	527,62
180	125	RRD371	10	527,62
180	140	RRD372	10	527,62
200	90	RRD373	10	602,37
200	110	RRD374	10	602,37
200	125	RRD376	10	602,37
200	160	RRD377	10	602,37

Ø	Code	PN	€	Code	PN	€
75	RBG201	10	30,20	RBG221	10	33,70
90	RBG202	10	33,82	RBG222	10	42,96
110	RBG203	10	35,22	RBG223	10	52,15
125	RBG204	10	46,88	RBG224	10	61,10
140	RBG205	10	71,06	RBG225	10	92,76
160	RBG206	10	70,55	RBG226	10	99,35

90° TEE F/F/F



SOLVENT CEMENT DERIV. 90° TEE



Ø	Code	PN	€	Code	PN	€
75	RTE508	10	69,24	RTE514	10	64,95
90	RTE509	10	83,72	RTE516	10	76,21
110	RTE510	10	120,10	RTE517	10	100,65
125	RTE511	10	177,82	RTE515	10	146,80
140	RTE512	10	219,80	RTE518	10	300,95
160	RTE513	10	281,36	RTE519	10	309,34

PVC FITTINGS SOLVENT CEMENT, THREADED, PASSAGE

Discount category C



APPLICATION

- Industry, agriculture, conveyance of water

SPECIFICS

- Maximum pressure: 16 bar

- PVC pipes fittings

FEATURES

- Wide range of models and diameters
- Conical tightening of high resistance thanks to an internal ring of conical
- Suitable for above-and underground applications

MATERIALS

- Gray PVC with high UV resistance

PVC FITTINGS PN16 SOLVENT CEMENT



COUPLING



90° TEE



90° ELBOW



45° ELBOW



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
16	RMI015	16	500	1,36	RTI015	16	300	1,53	RG0129	16	350	1,15	RG0107	16	500	2,77
20	RMI016	16	350	1,29	RTI016	16	400	1,56	RG0080	16	250	1,02	RG0140	16	300	1,93
25	RMI001	16	400	1,26	RTI001	16	200	1,60	RG0110	16	300	1,31	RG0095	16	400	2,28
32	RMI002	16	250	1,33	RTI002	16	100	2,75	RG0111	16	180	1,55	RG0106	16	200	2,97
40	RMI003	16	180	2,04	RTI003	16	70	3,96	RG0112	16	120	2,84	RG0096	16	150	3,47
50	RMI004	16	200	2,28	RTI004	16	80	4,40	RG0113	16	120	3,86	RG0097	16	150	4,82
63	RMI005	16	100	3,24	RTI005	16	50	5,82	RG0114	16	60	4,28	RG0108	16	90	4,80
75	RMI006	16	80	6,85	RTI006	16	32	11,43	RG0115	16	40	8,27	RG0102	16	50	11,30
90	RMI007	16	45	10,05	RTI007	16	20	18,86	RG0116	16	25	12,94	RG0100	16	30	15,38
110	RMI008	16	27	14,62	RTI008	16	10	29,67	RG0117	16	14	20,92	RG0103	16	16	26,50
125	RMI009	16	20	25,97	RTI009	16	7	49,23	RG0118	16	10	41,94	RG0101	16	12	43,32
140	RMI010	16	12	33,87	RTI010	16	4	83,12	RG0123	16	6	58,86	RG0124	16	6	58,96
160	RMI011	16	6	40,77	RTI011	16	3	94,38	RG0119	16	4	89,62	RG0104	16	6	69,59
180	RMI017	10	2	REQ.	RTI017	16	3	413,13	RG0084	16	4	335,13				
200	RMI012	10	3	78,44	RTI012	10	1	158,36	RG0121	10	2	130,41	RG0105	10	2	112,17
225	RMI013	10	2	135,59	RTI013	10	1	256,40	RG0081	10	1	219,07	RG0098	10	2	195,92
250	RMI014	10	2	240,42	RTI014	10	1	433,29	RG0082	10	1	391,50	RG0099	10	1	327,24
280	RMI018	10	2	308,05	RTI019	10	1	698,63	RG0142	10	1	REQ.	RG0092	10	1	508,78
315	RMI019	10	1	343,80	RTI020	10	1	846,02	RG0127	10	1	732,65	RG0093	10	1	678,37
400	RMI020	5	1	REQ.	RTI021	4	1	REQ.	RG0083	5	1	REQ.	RG0094	5	1	REQ.

PVC FITTINGS PN16 SOLVENT CEMENT

Discount category C

90° BEND



UNION



CAP



STAB FLANGE



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
					RBC400	16	200	6,59	RTA039	16	500	1,19				
20	RG0180	16	300	6,85	RBC252	16	150	5,15	RTA040	16	500	1,25	RCL061	16	600	1,32
25	RG0181	16	150	8,24	RBC052	16	200	5,89	RTA041	16	350	1,33	RCL062	16	300	1,49
32	RG0182	16	100	10,46	RBC053	16	120	6,42	RTA042	16	400	1,65	RCL063	16	200	1,53
40	RG0183	16	50	13,89	RBC054	16	80	9,54	RTA043	16	250	2,30	RCL064	16	200	2,28
50	RG0184	16	60	19,96	RBC055	16	60	12,26	RTA044	16	180	2,90	RCL058	16	180	3,50
63	RG0185	16	30	26,66	RBC056	16	30	16,28	RTA045	16	100	3,55	RCL059	16	90	5,58
75	RG0186	16	15	57,45	RBC057	16	30	45,55	RTA046	16	60	7,82	RCL060	16	100	7,38
90	RG0187	16	9	71,26	RBC058	16	25	44,86	RTA047	16	65	10,90	RCL055	16	70	10,77
110	RG0188	16	6	115,42	RBC059	16	15	54,95	RTA048	16	40	15,38	RCL054	16	40	12,53
									RTA049	16	33	26,85	RCL051	16	25	26,76
									RTA050	16	20	31,84	RCL052	16	20	27,79
									RTA051	16	12	39,26	RCL053	16	15	32,48
									RTA055	10	6	73,31	RCL050	10	7	51,41
									RTA056	10	5	165,80	RCL056	10	6	86,65
									RTA057	10	5	287,48	RCL057	10	4	96,99
													RCL067	10	4	191,18
													RCL066	10	3	231,47

FREE FLANGE



HOSE ADAPTOR MALE SOLVENT CEMENT



Ø	Code	PN	Box	€/ea.
32	RFG008	16	150	6,01
40	RFG009	16	100	8,47
50	RFG011	16	80	9,05
63	RFG108	16	50	9,85
75	RFG109	16	40	12,47
90	RFG004	16	35	13,99
110	RFG001	16	24	15,75
125 - DN110	RFG005	16	20	28,47
125	RFG014	16	20	38,66
140	RFG006	16	18	32,68
160	RFG002	16	20	30,33
200	RFG003	10	10	72,54
225	RFG007	10	10	77,22
250	RFG010	10	6	119,75
280	RFG013	10	12	179,50
315	RFG030	10	8	199,61

Ø	Code	PN	Box	€/ea.
12 x 12	RPG100	16	700	2,43
16 x 16	RPG101	16	450	1,82
20 x 20	RPG102	16	300	1,88
25 x 25	RPG103	16	150	2,03
32 x 30	RPG104	16	250	2,15
40 x 40	RPG105	16	280	2,89
50 x 50	RPG106	16	80	4,53
63 x 60	RPG107	16	50	7,32

PVC FITTINGS PN16 SOLVENT CEMENT

Discount category C

M/F/F REDUCTION



Ø	Code	PN	Box	€/ea.
20 x 16 x 16	RRIO01	16	3.000	REQ.
25 x 20 x 16	RRIZ00	16	500	1,59
25 x 20 x 20	RRIO03	16	500	1,82
32 x 25 x 16	RRIO04	16	300	1,79
32 x 25 x 20	RRIO05	16	300	1,79
32 x 25 x 25	RRIO06	16	280	1,79
40 x 32 x 16	RRIZ01	16	800	2,72
40 x 32 x 20	RRIZ02	16	170	2,27
40 x 32 x 25	RRIZ03	16	170	2,27
40 x 32 x 32	RRIO07	16	350	2,27
50 x 40 x 20	RRIO20	16	400	3,69
50 x 40 x 25	RRIZ04	16	200	2,85
50 x 40 x 32	RRIO08	16	200	2,85
50 x 40 x 40	RRIO09	16	200	2,85
63 x 50 x 25	RRIZ06	16	170	4,91
63 x 50 x 32	RRIZ07	16	350	4,25
63 x 50 x 40	RRIZ08	16	120	3,60
63 x 50 x 50	RRIO10	16	100	6,00
75 x 63 x 32	RRIZ09	16	190	7,29
75 x 63 x 40	RRIZ10	16	80	4,83
75 x 63 x 50	RRIO24	16	150	7,29
75 x 63 x 63	RRIO23	16	60	7,74
90 x 75 x 40	RRIZ11	16	110	14,03
90 x 75 x 50	RRIZ12	16	45	11,73
90 x 75 x 63	RRIO22	16	36	11,73
90 x 75 x 75	RRIO11	16	36	11,73
110 x 90 x 50	RRIZ13	16	45	17,68
110 x 90 x 63	RRIO100	16	45	17,54
110 x 90 x 75	RRIO13	16	45	17,54
110 x 90 x 90	RRIO12	16	45	17,54
125 x 110 x 63	RRIZ14	16	42	26,57
125 x 110 x 75	RRIO21	16	42	26,57
125 x 110 x 90	RRIO15	16	42	26,57
125 x 110 x 110	RRIO16	16	24	26,57
140 x 125 x 90	RRIZ16	16	30	42,04
140 x 125 x 110	RRIO17	16	20	41,37
160 x 140 x 90	RRIZ19	16	16	55,44
160 x 140 x 110	RRIO18	16	16	52,75
160 x 140 x 125	RRIO19	16	12	65,81

90° REDUCED TEE



Ø	Code	PN	Box	€/ea.
20 x 16 x 20	RTIO66	16	180	1,98
25 x 16 x 25	RTIO67	16	220	2,38
25 x 20 x 25	RTIO68	16	220	2,06
32 x 20 x 32	RTIO60	16	120	2,82
32 x 25 x 32	RTIO61	16	120	2,75
40 x 20 x 40	RTIO62	16	100	3,77
40 x 25 x 40	RTIO63	16	90	3,77
40 x 32 x 40	RTIO64	16	90	3,77
50 x 20 x 50	RTIO65	16	110	6,08
50 x 25 x 50	RTIZ07	16	110	6,08
50 x 32 x 50	RTIO69	16	110	6,08
50 x 40 x 50	RTIO70	16	100	6,08
63 x 25 x 63	RTI212	16	70	9,37
63 x 32 x 63	RTI211	16	60	9,37
63 x 40 x 63	RTIO72	16	60	9,37
63 x 50 x 63	RTIO73	16	50	9,37
75 x 32 x 75	RTIO74	16	20	25,68
75 x 40 x 75	RTIO75	16	32	15,97
75 x 50 x 75	RTIO76	16	32	15,97
75 x 63 x 75	RTIO77	16	32	15,97
90 x 40 x 90	RTIO78	16	24	22,60
90 x 50 x 90	RTIO79	16	22	22,60
90 x 63 x 90	RTI220	16	22	22,60
90 x 75 x 90	RTIO81	16	16	22,61
110 x 50 x 110	RTIO82	16	12	38,32
110 x 63 x 110	RTI225	16	10	38,32
110 x 75 x 110	RTIO84	16	10	38,32
110 x 90 x 110	RTI229	16	10	38,32
125 x 63 x 125	RTI230	16	8	83,90
125 x 75 x 125	RTI231	16	8	83,90
125 x 90 x 125	RTIO85	16	8	83,90
125 x 110 x 125	RTIO87	16	8	83,90
140 x 90 x 140	RTIO89	16	4	115,30
140 x 110 x 140	RTIO90	16	4	161,25
140 x 125 x 140	RTIO91	16	4	161,25
160 x 90 x 160	RTIO92	16	3	145,06
160 x 110 x 160	RTIO95	16	3	145,06
160 x 125 x 160	RTIO93	16	3	176,62
160 x 140 x 160	RTIO94	16	3	176,62
200 x 160 x 200	RTIO97	10	3	314,10
225 x 200 x 225	RTIO99	10	1	REQ.
250 x 110 x 250	RTI100	10	1	REQ.
250 x 160 x 250	RTI101	10	1	719,63
250 x 200 x 250	RTI102	10	1	726,62
315 x 160 x 315	RTI108	8	1	886,27
315 x 250 x 315	RTI107	8	1	886,27

REDUCING BUSH PLAIN M/F



Ø	Code	PN	Box	€/ea.
20 x 16	RRIO66	16	1.000	1,47
25 x 16	RRIO35	16	700	1,70
25 x 20	RRIO55	16	700	1,70
32 x 16	RRIO41	16	400	1,78
32 x 20	RRIO57	16	400	1,44
32 x 25	RRIO58	16	400	1,42
40 x 20	RRIO59	16	250	1,58
40 x 25	RRIO62	16	250	1,58
40 x 32	RRIO56	16	250	1,58
50 x 20	RRIO42	16	70	3,00
50 x 25	RRIO63	16	350	1,86
50 x 32	RRIO67	16	350	1,86
50 x 40	RRIO60	16	350	1,86
63 x 32	RRIO61	16	180	2,55
63 x 40	RRIO64	16	180	2,55
63 x 50	RRIO48	16	180	2,55
75 x 40	RRIO68	16	110	4,67
75 x 50	RRIO28	16	110	4,67
75 x 63	RRIO29	16	110	4,67
90 x 50	RRIO45	16	65	7,60
90 x 63	RRIO47	16	65	7,60
90 x 75	RRIO27	16	65	6,76
110 x 63	RRIO65	16	40	10,50
110 x 75	RRIO46	16	40	9,33
110 x 90	RRIO32	16	40	9,33
125 x 75	RRIO49	16	50	20,06
125 x 90	RRIO30	16	50	20,06
125 x 110	RRIO31	16	50	17,67
140 x 90	RRIO40	16	40	31,18
140 x 110	RRIO36	16	40	36,28
140 x 125	RRIO37	16	40	25,34
160 x 90	RRIO50	16	24	40,64
160 x 110	RRIO33	16	24	27,45
160 x 125	RRIO39	16	24	39,42
160 x 140	RRIO34	16	24	31,37
180 x 160	RRIO38	10	18	140,25
200 x 110	RRIO77	10	10	76,47
200 x 125	RRIO69	10	10	76,47
200 x 160	RRIO43	10	10	55,08
200 x 180	RRIO80	10	12	60,77
225 x 160	RRIO81	10	7	87,42
225 x 200	RRIO75	10	7	98,21
250 x 160	RRIO82	10	6	152,54
250 x 200	RRIO71	10	6	167,93
250 x 225	RRIO500	10	6	171,08
280 x 225	RRIO83	10	4	228,03
315 x 200	RRIO73	10	3	248,12
315 x 225	RRIO74	10	3	248,12
315 x 250	RRIO72	10	3	248,12
315 x 280	RRIO85	10	3	248,12

PVC FITTINGS PN16 THREADED

Discount category C



SLEEVE



UNION



90° TEE



45° ELBOW



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
3/8"	RMF011	16	450	1,98	RBC010	16	300	7,82	RTE112	16	300	3,19	RG0190	16	1.800	5,94
1/2"	RMF001	16	350	2,28	RBC004	16	150	5,82	RTE100	16	400	3,64	RG0191	16	300	3,18
3/4"	RMF002	16	450	2,48	RBC005	16	200	7,77	RTE101	16	200	3,92	RG0192	16	400	3,33
1"	RMF003	16	250	2,98	RBC001	16	120	7,93	RTE102	16	100	4,62	RG0193	16	200	4,32
1 1/4"	RMF004	16	190	3,90	RBC002	16	80	9,66	RTE106	16	70	6,70	RG0194	16	150	5,94
1 1/2"	RMF005	16	140	4,62	RBC003	16	60	13,30	RTE103	16	80	9,12	RG0195	16	150	7,85
2"	RMF006	16	85	6,04	RBC006	16	30	18,24	RTE104	16	50	13,32	RG0196	16	90	12,41
2 1/2"	RMF007	16	45	19,47	RBC007	16	30	51,51	RTE105	16	32	30,90				
3"	RMF010	16	60	23,24	RBC008	16	25	59,72	RTE110	16	20	36,76				
4"	RMF009	16	30	29,98	RBC009	16	15	77,45	RTE111	16	10	55,84				

90° ELBOW



NIPPLE



CAP



PLUG



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
3/8"	RG0141	16	350	1,89	RNP010	16	1.000	1,38	RTA029	16	1.000	1,61	RTA008	16	800	1,15
1/2"	RG0130	16	250	1,89	RNP001	16	450	1,49	RTA020	16	500	1,75	RTA001	16	650	1,14
3/4"	RG0131	16	300	2,37	RNP002	16	600	1,75	RTA021	16	300	1,95	RTA002	16	400	1,53
1"	RG0132	16	180	2,66	RNP003	16	350	1,92	RTA022	16	180	1,92	RTA003	16	500	1,85
1 1/4"	RG0133	16	120	4,19	RNP004	16	220	2,76	RTA023	16	120	3,20	RTA004	16	350	2,62
1 1/2"	RG0134	16	120	5,61	RNP005	16	200	2,97	RTA024	16	230	3,72	RTA005	16	280	2,97
2"	RG0135	16	60	8,77	RNP006	16	200	4,32	RTA025	16	120	5,08	RTA006	16	160	4,06
2 1/2"	RG0136	16	40	22,66	RNP007	16	110	11,83	RTA026	16	60	17,40	RTA007	16	80	13,10
3"	RG0137	16	25	31,16	RNP008	16	35	16,25	RTA027	16	30	22,56	RTA009	16	50	16,77
4"	RG0138	16	14	45,46	RNP009	16	35	22,94	RTA028	16	25	29,02	RTA010	16	30	27,93

PVC FITTINGS PN16 THREADED

Discount category C

M/F REDUCTION



REDUCED NIPPLE



M/F INCREASER



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
½" x 3/8"	RRD075	16	500	1,66	RNP070	16	650	2,21
¾" x 3/8"	RRD100	16	400	1,78	RNP071	16	1.400	3,81
¾" x ½"	RRD070	16	280	1,84	RNP072	16	350	2,20
1" x ½"	RRD074	16	500	2,10	RNP073	16	900	4,19
1" x ¾"	RRD071	16	450	2,10	RNP074	16	450	2,97
1"¼ x ½"	RRD079	16	300	3,05				
1"¼ x ¾"	RRD088	16	280	3,05	RNP075	16	400	5,93
1"¼ x 1"	RRD076	16	260	3,05	RNP076	16	270	3,96
1"½ x ¾"	RRD084	16	220	3,96				
1"½ x 1"	RRD077	16	220	3,96	RNP077	16	350	7,27
1"½ x 1"¼"	RRD073	16	180	3,96	RNP078	16	180	5,02
2" x 1"	RRD078	16	130	5,39				
2" x 1"¼"	RRD087	16	120	5,39	RNP079	16	200	10,46
2" x 1"½"	RRD085	16	160	5,49	RNP080	16	110	6,37
2"½ x 1"½"	RRD080	16	60	12,03	RNP081	16	164	20,14
2"½ x 2"	RRD083	16	60	10,73	RNP082	16	80	13,01
3" x 2"	RRD072	16	30	14,14	RNP087	16	40	14,99
3" x 2"½"	RRD081	16	40	15,82	RNP084	16	35	16,77
4" x 2"½"	RRD089	16	40	25,79	RNP085	16	70	37,85
4" x 3"	RRD082	16	40	25,79	RNP086	16	24	25,69

Ø	Code	PN	Box	€/ea.
3/8" x ½"	RMG001	16	500	2,93
½" x ¾"	RMG002	16	250	3,09
¾" x 1"	RMG003	16	150	2,94
1" x 1"¼"	RMG004	16	220	3,18
1"¼" x 1"½"	RMG005	16	150	4,13
1"½ x 2"	RMG006	16	140	5,36
1"½ x 2"½"	RMG007	16	170	18,17
2" x 2"½"	RMG008	16	72	9,68
2" x 3"	RMG009	16	40	22,72
2"½ x 3"	RMG010	16	50	14,52
2"½ x 4"	RMG011	16	70	37,85
3" x 4"	RMG012	16	25	24,46

THREADED TANK CONNECTOR



Ø	Code	PN	Box	€/ea.
¼" x 12	RPG001	N.D.	1.400	1,91
3/8" x 16	RPG002	N.D.	500	1,84
½" x 20	RPG003	N.D.	300	1,89
¾" x 25	RPG004	N.D.	180	2,03
1" x 30	RPG005	N.D.	250	2,15
1"¼ x 40	RPG006	N.D.	300	3,84
1"½ x 50	RPG007	N.D.	100	4,72
2" x 60	RPG008	N.D.	50	8,31
2"½ x 80	RPG009	N.D.	90	26,95

PVC FITTINGS ADAPTOR FITTINGS

Discount category C



SLEEVE



STAINLESS STEEL REINFORCED SOCKET



SOLVENT CEMENT F/ THREADED F UNION



SOLVENT CEMENT/ THREADED MALE UNION



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
16 x 3/8"	RMP010	16	600	2,21	RMP050	16	2.300	6,39	RBC101	16	200	7,12				
20 x 1/2"	RMP001	16	350	2,21	RMP051	16	350	4,32	RBC102	16	150	5,74				
25 x 3/4"	RMP002	16	450	2,19	RMP052	16	450	4,83	RBC103	16	200	7,48	RBC081	16	150	7,43
32 x 1"	RMP003	16	250	2,68	RMP053	16	250	4,79	RBC104	16	120	9,74	RBC082	16	100	9,31
40 x 1 1/4"	RMP004	16	180	3,39	RMP054	16	180	6,23	RBC105	16	80	11,62	RBC083	16	50	9,68
50 x 1 1/2"	RMP005	16	120	5,03	RMP055	16	120	7,23	RBC106	16	60	16,01	RBC084	16	60	16,38
63 x 2"	RMP006	16	75	7,55	RMP056	16	120	9,93	RBC107	16	30	20,49	RBC085	16	30	20,89
75 x 2 1/2"	RMP008	16	36	19,99					RBC108	16	30	55,98				
90 x 3"	RMP007	16	45	21,72					RBC109	16	25	65,44				
110 x 4"	RMP009	16	30	29,22					RBC110	16	15	67,56				

90° TEE



SS REINFORCED 90° TEE



SS REINFORCED M/F REDUCTION



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
16 x 3/8" x 16	RTP011	16	300	2,49				
20 x 1/2" x 20	RTP010	16	400	2,90	RTP051	16	400	6,14
25 x 3/4" x 25	RTP001	16	200	3,19	RTP052	16	200	7,50
32 x 1" x 32	RTP005	16	100	6,62	RTP053	16	100	8,34
40 x 1 1/4" x 40	RTP006	16	70	5,28	RTP054	16	70	10,07
50 x 1 1/2" x 50	RTP007	16	80	7,88	RTP055	16	80	14,64
63 x 2" x 63	RTP008	16	50	13,99	RTP056	16	50	17,87
75 x 2 1/2" x 75	RTP003	16	32	25,58				
90 x 3" x 90	RTP002	16	10	35,45				
110 x 4" x 110	RTP004	16	10	57,92				

Ø	Code	PN	Box	€/ea.
25 x 20 x 1/2"	RRD200	16	500	4,07
32 x 25 x 3/4"	RRD201	16	250	4,13
40 x 32 x 1"	RRD202	16	200	4,82
50 x 40 x 1 1/4"	RRD203	16	140	5,61

PVC FITTINGS ADAPTOR FITTINGS

Discount category C

90° ELBOW



SS REINFORCED 90° ELBOW



SPIGOT PLAIN/ FEMALE THREADED



PVC SPIGOT PLAIN/THREADED MALE



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
16 x 3/8"	RG0603	16	350	1,95								
20 x 1/2"	RG0604	16	250	2,15	RG0281	16	1.000	8,13				
25 x 1/2"									RAD199	16	500	3,02
25 x 3/4"	RG0126	16	300	2,50	RG0282	16	600	9,37	RAD051	16	450	3,20
32 x 3/4"									RAD155	16	250	2,85
32 x 1"	RG0120	16	180	2,87	RG0283	16	350	12,34	RAD052	16	250	3,76
40 x 1"									RRI079	16	200	3,96
40 x 1 1/4"	RG0600	16	120	5,14	RG0284	16	200	15,61	RAD053	16	180	3,71
50 x 1 1/4"									RAD206	16	140	4,66
50 x 1 1/2"	RG0601	16	120	7,09	RG0285	16	130	21,07	RAD054	16	110	4,62
63 x 2"	RG0602	16	60	9,71	RG0286	16	72	27,30	RAD055	16	70	8,70
75 x 2"									RRI084	16	60	11,16
75 x 2 1/2"	RG0125	16	40	19,99					RAD056	16	80	15,82
90 x 2 1/2"									RAD197	16	45	17,30
90 x 3"	RG0122	16	25	29,15					RAD057	16	45	19,56
110 x 3"									RAD210	16	30	24,30
110 x 4"	RG0128	16	14	50,40					RAD058	16	30	27,93

Ø	Code	PN	Box	€/ea.
16 x 12 x 3/8"	RNP157	16	1.000	1,39
20 x 16 x 3/8"	RMN008	16	500	1,39
20 x 16 x 1/2"	RNP158	16	450	1,39
25 x 20 x 3/8"	RAD003	16	300	1,49
25 x 20 x 1/2"	RMN009	16	300	1,49
25 x 20 x 3/4"	RNP156	16	250	1,31
32 x 25 x 1/2"	RAD002	16	400	1,66
32 x 25 x 3/4"	RMN010	16	400	1,50
32 x 25 x 1"	RNP154	16	350	1,57
40 x 32 x 3/4"	RAD004	16	300	1,87
40 x 32 x 1"	RMN011	16	250	1,87
40 x 32 x 1 1/4"	RAD165	16	200	2,20
50 x 40 x 1"	RAD166	16	160	3,02
50 x 40 x 1 1/4"	RMN012	16	150	2,71
50 x 40 x 1 1/2"	RAD011	16	140	3,12
63 x 50 x 1 1/4"	RAD005	16	120	4,59
63 x 50 x 1 1/2"	RMN005	16	120	4,18
63 x 50 x 2"	RNP153	16	100	4,18
75 x 63 x 1 1/2"	RAD006	16	70	6,10
75 x 63 x 2"	RMN001	16	70	5,57
75 x 63 x 2 1/2"	RNP155	16	50	12,18
90 x 75 x 2"	RAD007	16	45	13,05
90 x 75 x 2 1/2"	RMN003	16	45	15,93
90 x 75 x 3"	RNP150	16	60	15,19
110 x 90 x 2 1/2"	RAD008	16	45	19,56
110 x 90 x 3"	RMN004	16	45	17,47
110 x 90 x 4"	RNP151	16	30	21,82
125 x 110 x 3"	RAD009	16	30	24,96
125 x 110 x 4"	RMN002	16	30	25,82

BLANKING FLANGE



FULL FACED PLAIN FLANGE



FULL FACED THREADED FLANGE



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
32	RFG100	16	65	9,40	RFG056	16	50	9,29
40	RFG101	16	70	12,46	RFG057	16	50	12,13
50	RFG102	16	65	14,93	RFG058	16	48	14,49
63	RFG103	16	40	15,66	RFG059	16	36	15,58
75	RFG104	16	35	17,69	RFG060	16	15	18,74
90	RFG105	16	30	20,62	RFG061	16	10	22,29
110	RFG106	16	20	24,29	RFG062	16	20	25,96
125 - DN110	RFG107	16	18	42,65				
140	RFG118	16	15	50,71				
160	RFG119	16	10	46,81				
200	RFG120	10	10	166,59				
225	RFG121	10	10	177,33				

Ø	Code	PN	Box	€/ea.
1"	RFG049	16	144	14,06
1 1/4"	RFG050	16	70	20,28
1 1/2"	RFG051	16	60	28,86
2"	RFG052	16	45	33,53
2 1/2"	RFG053	16	25	45,22
3"	RFG054	16	18	55,36
4"	RFG055	16	12	68,60

THREADED FITTINGS

Discount category C



SPECIFICS

- Maximum pressure: 16 bar
- Maximum operating pressure referred to 20° C
- Max working temperature 60° C

FEATURES

- ISO 9001 certifications: 2000 (water)
- WRAS: (certification for use with drinkable water)

MATERIALS

- PA (fiberglass reinforced nylon)

NIPPLE



M/F 90° THREADED ELBOW



FEMALE THREADED COUPLING



FEMALE THREADED 90° ELBOW



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
½"	SRNP050	16	800	2,02	SRGO100	16	450	2,02	SRMF050	16	950	2,08	SRG0050	16	400	2,36
¾"	SRNP051	16	1.000	2,53	SRGO101	16	600	2,23	SRMF051	16	700	2,45	SRG0051	16	550	2,75
1"	SRNP052	16	600	2,95	SRGO102	16	320	2,75	SRMF052	16	450	2,82	SRG0052	16	320	3,17
1¼"	SRNP053	16	360	4,18	SRGO103	16	200	3,75	SRMF053	16	280	5,20	SRG0053	16	190	5,92
1½"	SRNP054	16	260	4,91	SRGO104	16	130	5,92	SRMF054	16	200	5,92	SRG0054	16	130	10,68
2"	SRNP055	16	140	6,33	SRGO105	16	70	10,68	SRMF055	16	120	8,96	SRG0055	16	70	14,44
2½"	SRNP056	12	85	13,28					SRMF056	12	80	42,99	SRG0056	12	40	47,85
3"	SRNP057	10	64	16,88					SRMF057	10	45	52,70	SRG0057	10	10	65,22
4"	SRNP058	10	27	28,43					SRMF058	10	24	68,01	SRG0058	10	11	92,88

PLUG



CAP



90° FEMALE THREADED TEE



KNUCKLE UNION ASSEMBLED UNIT 9° M/F



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
½"	SRTA001	16	550	1,28	SRTA100	16	900	2,60	SRTE001	16	250	3,33				
¾"	SRTA002	16	700	1,64	SRTA101	16	700	2,96	SRTE002	16	360	3,45	SRBC010	16	5	39,07
1"	SRTA003	16	500	1,99	SRTA102	16	450	3,55	SRTE003	16	200	4,29	SRBC011	16	5	42,53
1¼"	SRTA004	16	280	2,37	SRTA103	16	230	5,50	SRTE004	16	110	7,83	SRBC012	16	5	44,67
1½"	SRTA005	16	400	2,38	SRTA104	16	320	6,40	SRTE005	16	80	13,62				
2"	SRTA006	16	260	3,38	SRTA105	16	220	8,14	SRTE006	16	45	19,38				
2½"	SRTA007	12	60	9,79	SRTA106	12	60	12,51	SRTE007	12	15	61,04				
3"	SRTA008	10	90	12,51	SRTA107	10	70	18,40	SRTE008	10	19	79,01				
4"	SRTA009	10	27	23,99	SRTA108	10	24	28,30	SRTE009	10	9	119,29				

M/F INCREASER



BARREL UNION F/F



FEMALE STRAIGHT COUPLING



FEMALE STRAIGHT COUPLING



Ø	Code	PN	Co.	€/ea.
½" M x ¾" F	SRMG001	16	240	2,40

Ø	Code	PN	Box	€/ea.
½"	SRBC001	16	270	6,78
¾"	SRBC002	16	370	7,63
1"	SRBC003	16	240	9,40
1" x ¾"	SRBC004	16	240	9,78
1¼"	SRBC005	16	150	11,96
1¼" x 1"	SRBC006	16	155	12,22
1½"	SRBC007	16	100	16,89
2"	SRBC008	16	70	25,20

Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
½" F x ½" PG	SRPG001	16	10	4,06	SRPG010	16	850	13,19
¾" F x ½" PG	SRPG002	16	200	4,76				
¾" F x ¾" PG	SRPG003	16	350	4,86				
1" F x ½" PG	SRPG004	16	150	5,26				
1" F x ¾" PG	SRPG005	16	250	5,38				

M/F REDUCING BUSH



FEMALE THREADED REDUCTION COUPLING



REDUCED NIPLLE



NUT HOSE TAIL



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
¾" x ½"	SRRD001	16	1.400	1,79	SRMR001	16	400	2,15	SRNP100	16	500	2,52	SRPG011	16	340	15,46
1" x ½"	SRRD002	16	500	1,85	SRMR002	16	270	2,51	SRNP101	16	170	2,95				
1" x ¾"	SRRD003	16	1.000	1,85	SRMR003	16	250	2,51	SRNP102	16	700	2,95	SRPG012	16	200	20,12
1"¼ x ½"	SRRD004	16	600	2,94												
1"¼ x ¾"	SRRD005	16	600	2,94	SRMR004	16	160	3,58	SRNP104	16	80	4,22				
1"¼ x 1"	SRRD006	16	700	2,94	SRMR005	16	150	3,58	SRNP105	16	400	4,22	SRPG013	16	110	32,62
1"½ x ½"	SRRD007	16	500	5,34												
1"½ x ¾"	SRRD008	16	500	5,11	SRMR006	16	150	6,11	SRNP107	16	120	4,88				
1"½ x 1"	SRRD009	16	500	5,11	SRMR007	16	120	6,11	SRNP108	16	310	4,88				
1"½ x 1"¼"	SRRD010	16	500	5,11	SRMR008	16	110	5,62	SRNP109	16	290	4,88	SRPG014	16	60	39,22
2" x ½"	SRRD011	16	270	7,51												
2" x ¾"	SRRD012	16	280	6,46	SRMR009	16	90	7,95	SRNP111	16	180	6,33				
2" x 1"	SRRD013	16	280	6,46	SRMR010	16	90	7,95	SRNP112	16	180	6,33				
2" x 1"¼"	SRRD014	16	280	6,46	SRMR011	16	70	7,95	SRNP113	16	160	6,33				
2" x 1"½"	SRRD015	16	280	6,46	SRMR012	16	70	7,28	SRNP114	16	160	6,33	SRPG015	16	40	49,08
2"½ x 1"¼"	SRRD016	12	70	13,28					SRNP115	12	100	12,51				
2"½ x 1"½"	SRRD017	12	160	13,28	SRMR013	12	110	36,50	SRNP116	12	100	12,51				
2"½ x 2"	SRRD018	12	150	13,28	SRMR014	12	40	36,50	SRNP117	12	40	12,51				
3" x 1"½"	SRRD019	10	40	16,88					SRNP118	10	70	16,55				
3" x 2"	SRRD020	10	100	16,88	SRMR015	10	60	45,73	SRNP119	10	96	16,55				
3" x 2"½"	SRRD021	10	50	16,88	SRMR016	10	25	45,73	SRNP120	10	64	16,55				
4" x 2"	SRRD022	10	30	27,68					SRNP121	10	36	29,39				
4" x 2"½"	SRRD023	10	30	27,68	SRMR017	10	36	62,33	SRNP122	10	36	29,39				
4" x 3"	SRRD024	10	63	27,68	SRMR018	10	24	62,33	SRNP123	10	18	29,39				

FEMALE THREADED TANK FITTING



MALE THREADED TANK BLACK FITTING



MALE THREADED TANK WHITE FITTING

Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
½"	RAT010	16	220	11,00								
¾"	RAT011	16	160	12,07								
1"	RAT012	16	110	14,47								
1"¼"	RAT013	16	70	16,93	RAT020	16	150	12,03	RAT023	16	150	11,28
1"½"	RAT014	16	55	23,74	RAT021	16	100	14,98	RAT024	16	50	15,85
2"	RAT015	16	40	28,93	RAT022	16	60	19,28	RAT025	16	60	20,65
3"	RAT016	10	18	72,35								
4"	RAT017	10	10	103,81								

NUT



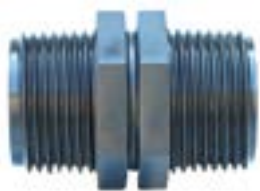
LARGE NUT



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
½"	SRDD001	16	10	2,02	SRDD005	16	10	2,85
¾"	SRDD002	16	10	2,28				
1"	SRDD003	16	10	2,68				
1"¼"	SRDD004	16	10	3,25				

POLYPROPYLENE THREADED FITTINGS

Discount category C



SPECIFICS

- Maximum pressure: 10 bar

FEATURES

- Robust design for excellent mechanical features allowing long-term duration and break resistance

MATERIALS

- Body: polypropylene

NIPPLE



90° ELBOW



TEE



CAP



Ø	Code	PN	€	Code	PN	€	Code	PN	€	Code	PN	€
½"	RNP100	10	0,58	RG0200	10	1,50	RTE150	10	1,72	RTA106	10	0,75
¾"	RNP101	10	0,63	RG0201	10	1,75	RTE151	10	2,05	RTA107	10	0,84
1"	RNP102	10	0,75	RG0202	10	2,43	RTE152	10	3,06	RTA108	10	1,08
1¼"	RNP103	6	0,94	RG0203	6	3,85	RTE155	6	4,73	RTA109	6	1,57
1½"	RNP104	6	1,80	RG0204	6	4,90	RTE153	6	6,16	RTA110	6	1,72
2"	RNP105	6	2,14	RG0205	6	6,33	RTE154	6	8,00	RTA111	6	2,51
2½"	RNP106	6	5,32	RG0206	6	14,47	RTE156	6	23,19	RTA125	6	8,14
3"	RNP107	6	5,93	RG0207	6	19,75	RTE157	6	34,22	RTA126	6	11,37
4"	RNP108	6	10,64	RG0208	6	24,68	RTE158	6	44,08	RTA127	6	19,05

M/F REDUCTION



REDUCED COUPLING



REDUCED NIPPLE



Ø	Code	PN	€	Code	PN	€	Code	PN	€
¾" x ½"	RRD050	10	1,02	RMR050	10	1,94	RNP050	10	0,65
1" x ½"	RRD051	10	1,26	RMR051	10	2,26	RNP052	10	0,79
1" x ¾"	RRD052	10	1,26	RMR052	10	2,26	RNP055	10	0,79
1" ¼ x ½"	RRD058	6	2,51						
1" ¼ x ¾"	RRD054	6	2,51				RNP053	6	1,80
1" ¼ x 1"	RRD055	6	2,51	RMR054	6	3,33	RNP054	6	1,46
1½" x ½"	RRD056	6	3,82						
1" ½ x ¾"	RRD057	6	3,82						
1" ½ x 1"	RRD059	6	3,82	RMR056	6	5,62	RNP056	6	1,70
1" ½ x 1¼"	RRD053	6	3,82	RMR057	6	5,11	RNP051	6	1,70
2" x ½"	RRD064	6	4,88						
2" x ¾"	RRD060	6	4,88				RNP060	6	2,73
2" x 1"	RRD061	6	4,88	RMR059	6	7,18	RNP058	6	2,32
2" x 1¼"	RRD065	6	4,88	RMR060	6	7,18	RNP061	6	2,10
2" x 1½"	RRD063	6	4,88	RMR061	6	6,59	RNP057	6	2,39
3" x 2"	RRD066	6	11,60						
3" x 2½"	RRD067	6	11,60				RNP062	6	3,50
4" x 2"	RRD068	6	14,50						
4" x 3"	RRD069	6	14,50						

PLUG



COUPLING



Ø	Code	PN	€	Code	PN	€
½"	RTA100	10	0,79	RMF100	10	0,93
¾"	RTA101	10	0,92	RMF101	10	1,15
1"	RTA102	10	0,94	RMF102	10	1,32
1¼"	RTA103	6	1,57	RMF103	6	2,72
1½"	RTA104	6	1,83	RMF104	6	4,11
2"	RTA105	6	2,22	RMF105	6	5,45
2½"	RTA120	6	4,62	RMF106	6	16,89
3"	RTA121	6	5,78	RMF107	6	20,06



SPECIFICHE

- Maximum pressure: 10 bar
- Preassembled o-ring
- With o-ring (self-grip system allowing to spare work, Teflon and locking by no tools)
- Body: polypropylene
- O-ring: EPDM

FEATURES

MATERIALS

NIPPLE WITH O-RING



COUPLING WITH O-RING



90° ELBOW WITH O-RING



TEE WITH O-RING



Ø	Code	PN	€	Code	PN	€	Code	PN	€	Code	PN	€
½"	RNP131	10	0,46	RMF130	10	0,87	RG0160	10	2,22	RTE130	10	2,39
¾"	RNP132	10	0,52	RMF131	10	1,19	RG0161	10	2,59	RTE131	10	2,97
1"	RNP133	10	1,12	RMF132	10	1,70	RG0162	10	2,88	RTE132	10	3,28
1"¼	RNP134	6	2,28	RMF134	6	2,52	RG0163	6	5,68	RTE133	6	6,36
1"½	RNP135	6	2,68	RMF135	6	4,79	RG0164	6	6,72	RTE134	6	7,25
2"	RNP136	6	3,63	RMF136	6	6,84	RG0165	6	10,82	RTE135	6	12,16

PLUG WITH O-RING



REDUCED NIPPLE WITH O-RING



Ø	Code	PN	€
½"	RTA130	10	0,46
¾"	RTA131	10	0,51
1"	RTA132	10	1,12
1"¼	RTA133	6	1,97
1"½	RTA134	6	2,12
2"	RTA135	6	2,51

Ø	Code	PN	€
¾" x ½"	RNP140	10	0,51
1" x ½"	RNP144	10	1,04
1" x ¾"	RNP141	10	1,04
1"¼ x 1"	RNP142	6	2,14
1"½ x 1"	RNP143	6	2,51
1"½ x 1"¼	RNP146	6	2,51
2" x 1"½	RNP149	6	3,53

•While stocks last

BRACKET SOCKETS



Discount category A



SPECIFICS

- Max pressure: 12,5 bar (6 bar double saddles)

FEATURES

- 2 bolts: up to Ø 50
- 4 bolts: more than Ø 50
- Screw securing system
- Seal securing system
- Threadings: UNI EN 10226-1 (ISO 7/1)

MATERIALS

- Body: hi-grade polypropylene black copolymer (PP-B)
- Seals: nitril rubber (NBR)
- Bolts and washers: galvanized steel

NO STAINLESS STEEL REINFORCE

STAINLESS STEEL REINFORCE



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
20 x 1/2"	RPS001	10	400	3,06	RPS099	12,5	400	4,13
25 x 1/2"	RPS002	10	300	3,22	RPS103	12,5	300	4,13
25 x 3/4"	RPS003	10	300	3,22	RPS102	12,5	300	4,13
32 x 1/2"	RPS004	10	150	3,22	RPS100	12,5	150	4,48
32 x 3/4"	RPS005	10	150	3,22	RPS106	12,5	150	4,48
32 x 1"	RPS006	10	150	3,22	RPS101	12,5	150	4,54
40 x 1/2"	RPS007	10	150	3,92	RPS104	12,5	150	4,90
40 x 3/4"	RPS008	10	150	3,92	RPS105	12,5	150	4,90
40 x 1"	RPS009	10	150	3,92	RPS127	12,5	150	4,90
50 x 1/2"	RPS010	10	100	4,05	RPS107	12,5	100	5,83
50 x 3/4"	RPS011	10	100	4,06	RPS108	12,5	100	5,83
50 x 1"	RPS012	10	100	4,05	RPS109	12,5	100	5,83
50 x 1 1/4"	RPS034	6	100	4,05	RPS130	12,5	100	6,49
63 x 1/2"	RPS013	10	70	4,96	RPS110	12,5	70	6,82
63 x 3/4"	RPS014	10	70	4,96	RPS111	12,5	70	6,82
63 x 1"	RPS015	10	70	4,96	RPS112	12,5	70	6,82
63 x 1 1/4"	RPS017	6	70	4,96	RPS114	12,5	70	7,04
63 x 1 1/2"	RPS016	6	60	4,96	RPS113	12,5	60	6,82
75 x 1/2"	RPS018	10	60	7,81	RPS115	12,5	60	8,47
75 x 3/4"	RPS019	10	55	7,81	RPS116	12,5	55	8,47
75 x 1"	RPS020	10	55	7,81	RPS117	10	55	8,47
75 x 1 1/4"	RPS021	6	55	7,81	RPS118	10	55	8,47
75 x 1 1/2"	RPS022	6	50	7,81	RPS119	10	50	8,47
75 x 2"	RPS029	6	50	7,81	RPS120	10	50	8,58
90 x 1/2"	RPS024	10	45	9,02	RPS121	12,5	45	9,68
90 x 3/4"	RPS025	10	45	9,02	RPS122	12,5	45	9,68
90 x 1"	RPS026	10	45	9,02	RPS123	10	45	9,68
90 x 1 1/4"	RPS030	6	40	9,02	RPS142	10	40	9,68
90 x 1 1/2"	RPS028	6	40	9,02	RPS128	10	40	9,68
90 x 2"	RPS027	6	40	9,02	RPS124	10	40	9,68
110 x 3/4"	RPS039	6	38	10,34	RPS140	10	38	10,89
110 x 1"					RPS133	10	36	10,89
110 x 1 1/4"					RPS139	10	36	10,89
110 x 1 1/2"	RPS041	6	36	10,34	RPS131	10	36	10,89
110 x 2"	RPS036	6	30	10,34	RPS132	10	30	10,89
125 x 3/4"	RPS042	6	30	13,09	RPS148	10	30	14,74
125 x 1"					RPS134	10	30	14,74
125 x 1 1/4"					RPS146	10	30	14,74
125 x 1 1/2"					RPS125	10	30	15,29
125 x 2"					RPS135	10	25	14,74
140 x 1 1/2"					RPS136	10	24	21,67
140 x 2"					RPS126	10	20	21,67
160 x 1"					RPS143	10	20	30,69
160 x 1 1/4"					RPS147	10	20	30,69
160 x 1 1/2"					RPS129	10	20	30,69
160 x 2"					RPS138	10	20	30,69
180 x 2"					RPS144	10	16	52,36



SPECIFICS

- Maximum pressure: 10 bar

FEATURES

- 2 bolts: up to Ø 50
- 4 bolts: more than Ø 50
- Screw securing system
- Seal securing system

- Standards of reference: ISO 13460-AS/ NZS4129
- Threadings: UNI EN 10226-1 (ISO 7/1)

MATERIALS

- Body: hi-grade polypropylene black copolymer (PP-B)

- Seals: NBR 70 SH nitril rubber
- Bolts and washers: galvanized steel

NO STAINLESS STEEL REINFORCE STAINLESS STEEL REINFORCE*



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
20 x 1/2"	RPSS00	10	200	1,30				
25 x 1/2"	RPSS01	10	180	1,58	RPS301	16	180	4,79
25 x 3/4"	RPSS02	10	180	1,58	RPS302	16	180	4,79
32 x 1/2"	RPSS03	10	150	1,68	RPS303	16	150	5,07
32 x 3/4"	RPSS04	10	150	1,68	RPS304	16	150	5,07
32 x 1"					RPS305	16	120	5,55
40 x 1/2"	RPSS06	10	100	2,20	RPS306	16	100	6,18
40 x 3/4"	RPSS07	10	100	2,20	RPS307	16	100	6,18
40 x 1"	RPSS08	10	100	2,20	RPS308	16	100	6,18
50 x 1/2"	RPSS09	10	80	2,29	RPS309	16	80	8,48
50 x 3/4"	RPSS10	10	80	2,29	RPS300	16	80	8,48
50 x 1"	RPSS11	10	80	2,29	RPS310	16	80	8,48
63 x 1/2"	RPSS13	10	90	3,44	RPS311	16	50	10,09
63 x 3/4"	RPSS14	10	90	3,44	RPS312	16	50	10,09
63 x 1"	RPSS15	10	90	3,44	RPS313	16	50	10,09
63 x 1 1/4"	RPSS16	6	90	3,44	RPS314	16	50	10,09
63 x 1 1/2"	RPSS17	6	90	3,44	RPS315	16	40	11,86
75 x 1/2"	RPSS18	10	60	4,87	RPS316	16	40	10,88
75 x 3/4"	RPSS19	10	60	4,87	RPS317	16	40	10,88
75 x 1"	RPSS20	10	60	4,87	RPS318	16	40	10,88
75 x 1 1/4"	RPSS21	6	60	4,87	RPS319	16	40	10,88
75 x 1 1/2"	RPSS22	6	60	4,99	RPS320	16	35	14,58
75 x 2"	RPSS23	6	60	4,99	RPS321	16	30	14,58
90 x 1/2"	RPSS24	6	50	5,11	RPS322	16	30	14,58
90 x 3/4"	RPSS25	6	50	5,11	RPS323	16	30	14,58
90 x 1"	RPSS26	6	50	5,11	RPS324	16	30	14,58
90 x 1 1/4"	RPSS27	6	50	5,11	RPS325	16	30	14,58
90 x 1 1/2"	RPSS28	6	50	5,20	RPS326	16	25	15,89
90 x 2"	RPSS29	6	50	5,20	RPS327	16	25	15,89
110 x 1/2"	RPSS30	6	40	5,88	RPS328	16	20	19,04
110 x 3/4"	RPSS31	6	40	5,88				
110 x 1"	RPSS32	6	40	5,88	RPS330	16	20	19,04
110 x 1 1/4"	RPSS33	6	40	5,88				
110 x 1 1/2"	RPSS34	6	40	5,88	RPS332	16	15	20,45
110 x 2"	RPSS35	6	40	5,88				
160 x 1"					RPS341	16	10	33,94

*With stainless steel bolts and anti-rotation tube

HEAD-TO-HEAD AND ELECTROFUSION FITTINGS



Discount category C



APPLICATION

- PEAD fittings for plastic piping systems
- Industry, agriculture, water conveyance

SPECIFICS

- Maximum pressure: 16-25 bar

FEATURES

- Standards of reference: UNI EN 12201-UNI EN 12201/EN ISO 15494-UNI EN 1555/UNI ISO 4437 type 316-UNI EN 12666-UNI EN 1092-UNI 9736
- Fittings suitable for drinkable water conveyance and food fluids, in compliance with Ministry of Health rules: C.M. n. 102 dtd 12/02/1978/ D.M. n. 174 dtd 04/06/2004
- ISO TR 7474 chemical resistance

MATERIALS

- High-density polyethylene - PE100/MRS10

ELECTROFUSION FITTINGS



COUPLING



END PLUG



45° ELBOW



90° ELBOW



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
20	ABGE001	16 - 25	100	6,47	ATAE050	16	100	14,21	AGOE029	16	80	18,66	AGOE001	16	50	17,92
25	ABGE002	16 - 25	80	6,89	ATAE051	16	80	14,95	AGOE030	16	60	18,66	AGOE002	16	50	18,45
32	ABGE003	16 - 25	50	7,21	ATAE052	16	60	17,07	AGOE031	16	40	19,72	AGOE003	16	40	18,45
40	ABGE004	16 - 25	32	7,95	ATAE053	16	30	18,98	AGOE032	16	20	25,23	AGOE004	16	20	24,60
50	ABGE005	16 - 25	24	10,92	ATAE054	16	24	28,31	AGOE033	16	8	29,79	AGOE005	16	15	29,58
63	ABGE006	16 - 25	15	11,45	ATAE055	16	15	31,38	AGOE018	16	12	31,17	AGOE006	16	9	31,80
75	ABGE007	16 - 25	10	17,92	ATAE056	16	10	49,19	AGOE019	16	6	44,42	AGOE007	16	5	44,42
90	ABGE008	16 - 25	8	19,40	ATAE057	16	12	70,18	AGOE020	16	9	52,69	AGOE008	16	6	51,73
110	ABGE009	16 - 25	4	24,28	ATAE058	16	8	89,15	AGOE021	16	5	74,84	AGOE009	16	4	73,57
125	ABGE010	16 - 25	6	34,35	ATAE059	16	6	108,87	AGOE022	16	5	98,90	AGOE010	16	3	100,17
140	ABGE011	16 - 25	4	48,23	ATAE060	16	4	145,12								
160	ABGE012	16 - 25	4	51,41	ATAE061	16	3	153,70	AGOE024	16	2	189,43	AGOE012	16	1	190,59
180	ABGE013	16 - 25	7	69,75	ATAE062	16	3	202,89	AGOE025	16	1	338,78	AGOE013	16	1	344,29
200	ABGE014	16 - 25	6	76,01	ATAE063	16	3	237,34	AGOE026	16	1	424,43	AGOE014	16	1	430,68
225	ABGE015	16 - 25	5	122,86	ATAE064	16	2	301,26	AGOE027	16	1	620,63	AGOE015	16	1	620,63
250	ABGE016	16 - 25	1	183,81	ATAE065	16	4	448,81								
280	ABGE018	16 - 25	1	247,09	ATAE066	16	1	620,95								
315	ABGE017	16 - 25	1	291,40	ATAE067	16	2	780,80								

SPIGOT SADDLE



TAPPING SADDLE



TAPPING SADDLE WITH VALVE



REDUCTION



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
63 x 32	ACLE010	16	70	55,87	ACPE103	16	10	77,38	ACVE001	16	8	437,04
63 x 63					ACPE105	16	9	85,02				
75 x 32	ACLE014	16	40	57,14								
75 x 50	ACLE016	16	30	60,95								
90 x 32	ACLE018	16	30	61,48	ACPE108	16	8	87,45	ACVE002	16	6	462,38
90 x 50	ACLE020	16	30	61,48								
90 x 63	ACLE021	16	20	63,39	ACPE109	16	6	92,22				
110 x 32	ACLE030	16	30	67,63	ACPE110	16	6	95,09				
110 x 63	ACLE022	16	20	95,09	ACPE112	16	6	101,34	ACVE003	16	8	475,10
110 x 90	ACPE016	16	15	141,41								
125 x 32	ACLE033	16	30	71,34	ACPE113	16	8	107,81				
125 x 63	ACPE024	16	20	95,09	ACPE114	16	5	120,42	ACVE004	16	5	481,35
125 x 90	ACPE017	16	15	164,83								
140 x 32	ACLE035	16	30	88,73								
140 x 63	ACLE007	16	30	88,73								
160 x 32	ACLE038	16	30	92,22	ACPE118	16	10	133,14				
160 x 63	ACLE511	16	30	101,34	ACPE120	16	8	158,47	ACVE006	16	6	493,96
160 x 90	ACPE019	16	6	177,34								
160 x 110	ACPE020	16	6	183,81								
180 x 32	ACLE042	16	30	95,09								
180 x 63	ACLE045	16	30	107,81								
180 x 90	ACLE032	16	6	166,00								
180 x 110	ACLE049	16	6	177,34								
200 x 32	ACLE050	16	30	124,24	ACPE122	16	6	202,68				
200 x 63					ACPE124	16	6	209,04	ACVE008	16	6	557,35
225 x 32	ACLE051	16	30	141,94	ACPE125	16	6	221,76				
225 x 63	ACLE052	16	30	143,21	ACPE126	16	6	240,73	ACVE009	16	6	639,40
225 x 90	ACPE022	16	8	183,81								
225 x 110	ACLE053	16	6	184,44								
250 x 63	ACLE048	16	30	190,06								
250 x 90	ACLE512	16	6	202,68								
315 x 63	ACLE060	16	7	202,68								

Ø	Code	PN	Box	€/ea.
25 x 20	AMRE001	16	70	13,57
32 x 20	AMRE002	16	50	14,84
32 x 25	AMRE003	16	50	14,84
40 x 20	AMRE023	16	40	17,07
40 x 25	AMRE024	16	40	17,07
40 x 32	AMRE004	16	30	19,08
50 x 25	AMRE026	16	30	23,64
50 x 32	AMRE027	16	20	23,96
50 x 40	AMRE006	16	20	26,40
63 x 32	AMRE007	16	18	30,74
63 x 40	AMRE008	16	14	30,74
63 x 50	AMRE009	16	12	31,27
75 x 50	AMRE011	16	12	40,60
75 x 63	AMRE010	16	10	44,42
90 x 63	AMRE012	16	6	48,02
110 x 63	AMRE013	16	12	77,49
110 x 90	AMRE014	16	12	77,49
125 x 90	AMRE015	16	6	97,74
125 x 110	AMRE016	16	6	107,81
160 x 90	AMRE031	16	4	135,26
160 x 110	AMRE018	16	4	138,97
225 x 160	AMRE022	16	2	316,63

90° TEE



BALL VALVE



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
20	ATEE049	16	50	19,72				
25	ATEE050	16	40	20,36				
32	ATEE052	16	25	21,52	AVSE003	16	1	329,35
40	ATEE053	16	18	24,81				
50	ATEE054	16	12	27,99	AVSE005	16	1	411,71
63	ATEE055	16	12	32,02	AVSE006	16	1	557,35
75	ATEE056	16	8	49,51				
90	ATEE057	16	5	54,17	AVSE008	16	1	835,92
110	ATEE058	16	3	76,01	AVSE009	16	1	1.013,26
125	ATEE059	16	2	101,34	AVSE010	16	1	1.051,21
160	ATEE061	16	1	205,33	AVSE011	16	1	3.305,36
180	ATEE062	16	1	408,32	AVSE012	16	1	3.330,94
200	ATEE063	16	1	526,93				
225	ATEE064	16	1	626,99	AVSE014	16	1	4.860,83

HEAD-TO-HEAD FITTINGS

Discount category C



45° ELBOW



90° ELBOW



REDUCTION



SDR-PN 11-16						
Ø	Code	Box	€/ea.	Code	Box	€/ea.
63	AGOE155	60	15,27	AGOE096	50	15,27
75	AGOE156	20	19,08	AGOE097	30	20,36
90	AGOE157	25	23,54	AGOE098	24	23,54
110	AGOE158	12	41,87	AGOE103	12	43,25
125	AGOE163	10	59,68	AGOE104	24	59,68
140	AGOE130	8	82,47	AGOE105	20	82,47
160	AGOE159	6	88,73	AGOE099	20	88,73
180	AGOE160	2	108,97	AGOE113	5	111,62
200	AGOE167	2	145,12	AGOE110	1	161,02
225	AGOE168	1	215,18			
250	AGOE169	3	332,00	AGOE109	1	411,92
280	AGOE170	3	614,80	AGOE102	1	614,80
315	AGOE171	1	768,50	AGOE111	1	768,50

SDR-PN 11-16			
Ø	Code	Box	€/ea.
63 x 32	ARDE047	30	9,01
63 x 40	ARDE003	30	9,01
63 x 50	ARDE004	25	9,97
75 x 50	ARDE006	20	16,54
75 x 63	ARDE007	15	16,54
90 x 63	ARDE009	12	20,36
90 x 75	ARDE010	12	20,36
110 x 63	ARDE012	8	26,72
110 x 90	ARDE014	5	26,72
125 x 63	ARDE015	6	29,15
125 x 90	ARDE048	12	31,80
125 x 110	ARDE049	4	31,80
140 x 125	ARDE019	2	45,69
160 x 90	ARDE020	2	57,14
160 x 110	ARDE021	2	57,14
160 x 125	ARDE022	2	57,14
160 x 140	ARDE023	2	57,14
180 x 125	ARDE024	1	97,74
180 x 160	ARDE026	1	97,74
200 x 160	ARDE028	1	107,81
225 x 160	ARDE032	1	173,42
250 x 160	ARDE033	1	233,63
250 x 200	ARDE035	1	242,32
280 x 250	ARDE037	1	323,41
315 x 200	ARDE038	1	418,07

SDR-PN 17-10						
Ø	Code	Box	€/ea.	Code	Box	€/ea.
63	AGOE137	60	16,64			
75	AGOE138	20	21,89			
90	AGOE139	25	21,54	AGOE112	24	22,90
110	AGOE140	12	40,01	AGOE123	12	40,01
125	AGOE141	10	51,27	AGOE820	24	58,75
140	AGOE136	8	85,82	AGOE115	20	86,46
160	AGOE142	6	95,88	AGOE124	20	92,90
180	AGOE143	2	110,30			
200	AGOE892	2	143,19			
225	AGOE144	1	186,10			
250	AGOE145	3	354,19	AGOE128	1	354,19
280	AGOE146	3	534,85	AGOE121	1	534,85
315	AGOE147	1	665,57	AGOE122	1	665,57

SDR-PN 17-10			
Ø	Code	Box	€/ea.
75 x 63	ARDE056	15	16,67
90 x 63	ARDE058	12	23,35
90 x 75	ARDE059	12	23,53
110 x 63	ARDE060	8	31,38
110 x 90	ARDE062	5	31,38
125 x 63	ARDE063	6	37,71
125 x 90	ARDE065	12	37,71
125 x 110	ARDE066	4	37,80
140 x 125	ARDE070	2	53,39
160 x 90	ARDE071	2	72,47
160 x 110	ARDE072	2	72,66
160 x 125	ARDE073	2	72,66
180 x 125	ARDE076	1	94,15
180 x 160	ARDE078	1	94,15
200 x 160	ARDE103	1	103,20
225 x 160	ARDE084	1	166,02
250 x 200	ARDE088	1	234,78
280 x 250	ARDE090	1	312,92
315 x 200	ARDE091	1	402,59

STUB FLANGE



90° TEE



CAP



FLANGE



SDR-PN 11-16									
Ø	Code	Box	€/ea.	Code	Box	€/ea.	Code	Box	€/ea.
20	ACTE018	50	6,47	ATEE040	40	8,27	ATAE033	200	5,83
25	ACTE019	40	6,47	ATEE041	30	9,01	ATAE034	100	6,47
32	ACTE001	24	7,64	ATEE042	15	10,92	ATAE035	80	7,64
40	ACTE002	15	8,27	ATEE043	12	13,47	ATAE019	100	9,65
50	ACTE003	25	10,29	ATEE044	8	17,92	ATAE020	70	12,72
63	ACTE004	12	10,92	ATEE001	8	24,17	ATAE021	40	16,54
75	ACTE005	10	14,10	ATEE002	5	39,97	ATAE022	25	21,73
90	ACTE006	6	15,27	ATEE003	15	40,60	ATAE023	30	32,97
110	ACTE007	4	18,45	ATEE004	9	52,05	ATAE024	40	45,69
125	ACTE008	3	22,26	ATEE005	5	81,20	ATAE025	27	49,51
140	ACTE009	4	29,15	ATEE006	30	134,31	ATAE660	15	69,75
160	ACTE010	4	38,06	ATEE007	8	163,46	ATAE026	6	78,66
180	ACTE011	8	53,32	ATEE008	16	211,69	ATAE027	2	92,54
200	ACTE012	4	62,12	ATEE009	10	311,64	ATAE028	4	125,51
225	ACTE013	4	79,93	ATEE010	9	415,52	ATAE029	1	152,01
250	ACTE014	2	114,38	ATEE011	1	585,23	ATAE030	1	228,01
280	ACTE015	2	186,99	ATEE045	1	877,79	ATAE031	1	323,09
315	ACTE016	2	252,07	ATEE046	1	1.123,50	ATAE032	1	437,04
355	ACTE017	1	391,04	ATEE047	1	2.216,36			
400	ACTE594	1	688,58	ATEE048	1	3.153,61			

PN 16			
Ø	Code	Box	€/ea.
63-DN50	AFAE004	40	25,00
75-DN65	AFAE005	25	31,40
90-DN80	AFAE006	30	37,00
110-DN100	AFAE007	40	41,20
125-DN100	AFAE008	27	41,20
140-DN125	AFAE009	15	60,20
160-DN150	AFAE010	6	75,40
180-DN150	AFAE011	2	75,40
200-DN200	AFAE012	4	116,00
225-DN200	AFAE013	1	116,00
250-DN250	AFAE014	1	164,90
280-DN250	AFAE015	1	164,90
315-DN315	AFAE016	1	235,20
355-DN350	AFAE017	1	336,80
400-DN400	AFAE018	1	407,60

SDR-PN 17-10									
Ø	Code	Box	€/ea.	Code	Box	€/ea.	Code	Box	€/ea.
63	ACTE023	12	8,62				ATAE001	40	13,89
75	ACTE024	10	11,98	ATEE032	5	33,83	ATAE002	25	18,01
90	ACTE025	6	15,35	ATEE012	15	34,66	ATAE003	30	29,71
110	ACTE026	4	19,24	ATEE013	9	46,19	ATAE004	40	40,35
125	ACTE027	3	22,78	ATEE014	5	70,95	ATAE005	27	43,59
140	ACTE028	4	30,37	ATEE015	30	126,92	ATAE006	15	66,34
160	ACTE029	4	33,91	ATEE016	8	138,48	ATAE007	6	66,34
180	ACTE030	8	55,55	ATEE017	16	180,31	ATAE008	2	79,31
200	ACTE031	4	61,44	ATEE018	10	236,07	ATAE009	4	100,68
225	ACTE032	4	73,20	ATEE019	9	327,91	ATAE010	1	173,16
250	ACTE033	2	104,18				ATAE011	1	236,28
280	ACTE034	2	155,07				ATAE012	1	307,45
315	ACTE035	2	203,44				ATAE013	1	355,90
355	ACTE036	1	351,67						
400	ACTE037	1	620,41						

GALVANIZED CAST IRON FITTINGS

Discount category A



APPLICATION

- Jointing and formation of hydraulic structures with tight seat

SPECIFICS

- Thread in compliance with DIN 2999-259 (ISO 7/1-228)
- Hydraulic seal by Teflon for < 2" diameter, hemp and paste for larger diameters

MATERIALS

- Malleable cast iron
- Galvanizing by hot immersion complying with rules: UNE 37501-88 (DIN 2444/ISO1460)

CROSS



TEE



M/F STRAIGHT UNION



M/F CURVED UNION



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
½"	FCR001	25	10	7,00	FTZ009	25	10	2,00	FBZ010	25	10	7,30	FBZ060	25	10	10,00
¾"	FCR002	25	10	10,50	FTZ001	25	10	3,40	FBZ011	25	10	8,80	FBZ061	25	10	12,70
1"	FCR003	25	10	12,90	FTZ002	25	10	5,00	FBZ012	25	10	10,90	FBZ062	25	10	17,40
1¼"	FCR005	25	1	17,30	FTZ003	25	1	8,80	FBZ014	25	1	17,30	FBZ063	25	1	29,10
1½"	FCR006	25	1	23,10	FTZ004	25	1	13,60	FBZ013	25	1	22,10	FBZ064	25	1	35,60
2"	FCR007	25	1	34,40	FTZ005	25	1	19,10	FBZ015	25	1	35,20	FBZ065	25	1	58,80
2½"	FCR009	25	1	77,80	FTZ006	25	1	35,57	FBZ016	25	1	77,10	FBZ066	25	1	130,60
3"	FCR008	25	1	89,60	FTZ007	25	1	47,81	FBZ017	25	1	120,60	FBZ067	25	1	175,00
4"					FTZ010	25	1	93,28								

NIPPLE



COUPLING F/F



M/F ELBOW



F/F ELBOW



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
½"	FNZ002	25	10	1,50	FMA001	25	10	1,70	FGT001	25	10	1,70	FGT020	25	10	1,50
¾"	FNZ001	25	10	2,00	FMA002	25	10	2,30	FGT002	25	10	2,70	FGT021	25	10	2,30
1"	FNZ003	25	10	2,80	FMA003	25	10	3,00	FGT003	25	10	4,40	FGT022	25	10	3,40
1¼"	FNZ004	25	1	4,70	FMA004	25	1	4,70	FGT004	25	1	7,60	FGT023	25	1	6,50
1½"	FNZ005	25	1	5,40	FMA005	25	1	6,80	FGT005	25	1	11,30	FGT024	25	1	10,40
2"	FNZ006	25	1	9,80	FMA006	25	1	10,00	FGT006	25	1	14,90	FGT025	25	1	12,30
2½"	FNZ007	25	1	14,00	FMA007	25	1	27,64	FGT007	25	1	36,90	FGT026	25	1	35,78
3"	FNZ008	25	1	16,91	FMA008	25	1	33,22	FGT008	25	1	48,58	FGT027	25	1	49,01
4"	FNZ010	25	1	62,97	FMA009	25	1	77,50	FGT009	25	1	82,97	FGT028	25	1	87,77

GALVANIZED CAST IRON FITTINGS

Discount category A

CAP



PLUG



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
½"	FTZ078	25	10	2,47	FTZ051	25	10	1,20
¾"	FTZ070	25	10	2,55	FTZ050	25	10	1,60
1"	FTZ071	25	10	2,81	FTZ052	25	10	1,80
1¼"	FTZ077	25	1	4,11	FTZ053	25	1	3,30
1½"	FTZ072	25	1	5,28	FTZ054	25	1	4,00
2"	FTZ073	25	1	9,78	FTZ055	25	1	7,10
2½"	FTZ074	25	1	17,02	FTZ056	25	1	15,60
3"	FTZ075	25	1	19,38	FTZ057	25	1	20,00
4"	FTZ079	25	1	41,20	FTZ058	25	1	35,30

M/F REDUCTION



M/F REDUCED COUPLING



REDUCED NIPPLE



Ø	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
½" x 3/8"									FNZ037	25	100	3,60
¾" x ½"	FRD001	25	10	1,60	FMA020	25	10	3,10	FNZ036	25	100	3,10
1" x ½"	FRD002	25	10	2,20	FMA021	25	10	4,70	FNZ039	25	70	6,20
1" x ¾"	FRD003	25	10	2,10	FMA022	25	10	4,90	FNZ038	25	70	3,60
1¼" x ½"	FRD004	25	1	3,80					FNZ040	25	50	9,50
1¼" x ¾"	FRD005	25	1	3,40					FNZ041	25	50	8,10
1¼" x 1"	FRD006	25	1	2,69	FMA024	25	1	5,50	FNZ015	25	50	5,60
1½" x ¾"	FRD007	25	1	5,60					FNZ042	25	50	8,20
1½" x 1"	FRD008	25	1	3,80	FMA025	25	1	10,50	FNZ016	25	40	12,90
1½" x 1¼"	FRD009	25	1	3,80	FMA028	25	1	9,20	FNZ021	25	30	7,00
2" x ¾"	FRD010	25	1	10,00								
2" x 1"	FRD011	25	1	8,20								
2" x 1¼"	FRD012	25	1	7,80	FMA026	25	1	14,80	FNZ022	25	10	14,50
2" x 1½"	FRD013	25	1	7,00	FMA027	25	1	15,60	FNZ020	25	10	13,20
2½" x 1"	FRD014	25	1	16,10								
2½" x 1¼"	FRD015	25	1	18,60								
2½" x 1½"	FRD016	25	1	17,50								
2½" x 2"	FRD017	25	1	13,40								
3" x 2"	FRD021	25	1	17,30								
3" x 2½"	FRD022	25	1	19,60								

EXTENSION



Ø	cm 20				cm 150				cm 200				cm 300			
	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.	Code	PN	Box	€/ea.
¾"	FPR010	25	1	4,12	FPR038	25	1	29,25								
1"	FPR011	25	1	6,00	FPR039	25	1	42,89								
1¼"					FPR040	25	1	56,56	FPR043	25	1	75,36				
1½"					FPR041	25	1	66,30	FPR044	25	1	88,38	FPR046	25	1	132,59
2"					FPR042	25	1	89,69	FPR045	25	1	119,56	FPR047	25	1	179,35

BRASS FITTINGS

Discount category A



APPLICATION

- Jointing and formation of hydraulic structures with tight seat

SPECIFICS

- Thread complying with UNI EN 12165/EN 12164/EN 10226-1, IMO OSP 228.1
- Made from coextruded bar or hot moulding
- Hydraulic seal by Teflon for < 2" diameters, hemp and paste for larger diameters

MATERIALS

- Brass - lead < 1,8%

NIPPLE



COUPLING F/F



M/F ELBOW



F/F ELBOW



CROSS



Ø	Code	Box	€/ea.	Code	Box	€/ea.	Code	Box	€/ea.	Code	Box	€/ea.	Code	Box	€/ea.
½"	FN0002	10	2,80	FM0001	10	3,82	FG0002	10	5,58	FG0011	10	5,08	FC0011	10	9,21
¾"	FN0003	10	4,25	FM0002	10	5,85	FG0003	10	8,62	FG0012	10	8,76	FC0012	10	16,24
1"	FN0004	10	6,66	FM0003	10	9,24	FG0004	10	15,27	FG0013	10	14,37	FC0013	10	23,74
1"¼	FN0005	1	11,19	FM0004	1	12,84	FG0006	1	21,53	FG0014	1	24,80	FC0014	10	37,19
1"½	FN0006	1	13,41	FM0005	1	18,98	FG0007	1	28,16	FG0015	1	28,24			
2"	FN0007	1	22,37	FM0006	1	33,45	FG0008	1	55,63	FG0016	1	47,80			

TEE



M/F STRAIGHT UNION M/F CURVED UNION



CAP



PLUG



Ø	Code	Box	€/ea.	Code	Box	€/ea.	Code	Box	€/ea.	Code	Box	€/ea.	Code	Box	€/ea.
½"	FT0011	10	6,12	FB0002	10	9,59	FB0016	10	19,33	FT0043	10	2,20	FT0021	10	2,12
¾"	FT0012	10	11,04	FB0003	10	14,36	FB0017	10	32,57	FT0044	10	3,24	FT0022	10	3,59
1"	FT0013	10	17,74	FB0005	10	25,21	FB0018	10	49,65	FT0045	10	5,13	FT0023	10	5,55
1"¼	FT0014	1	26,62	FB0006	1	42,68	FB0019	1	68,80	FT0046	1	7,50	FT0024	1	10,84
1"½	FT0015	1	35,74	FB0007	1	65,05	FB0020	1	83,86	FT0047	1	11,46	FT0025	1	12,60
2"	FT0016	1	66,01	FB0008	1	102,89	FB0021	1	213,00	FT0048	1	15,88	FT0026	1	22,50

M/F REDUCTION



M/F REDUCED COUPLING



REDUCED NIPPLE



EXTENSION (20 CM)



Ø	Code	Box	€/ea.	Code	Box	€/ea.	Code	Box	€/ea.	Ø	Code	Box	€/ea.
½" x 3/8"	FRO020	10	1,60	FM0014	10	2,95	FN0020	100	2,58	¾"	FP0001	10	43,15
¾" x ½"	FRO023	10	2,62	FM0016	10	4,77	FN0023	100	3,94	1"	FP0002	10	70,79
1" x ½"	FRO026	10	5,65	FM0018	10	7,41	FN0025	70	5,84				
1" x ¾"	FRO027	10	4,23	FM0019	10	7,43	FN0026	70	5,81				
1" ¼ x ¾"	FRO029	1	8,81				FN0027	40	9,71				
1" ¼ x 1"	FRO030	1	7,12	FM0021	1	12,70	FN0028	40	9,91				
1" ½ x 1"	FRO032	1	11,10				FN0029	40	12,97				
1" ½ x 1"¼	FRO033	1	7,73	FM0023	1	15,29	FN0030	30	13,32				
2" x 1"	FRO034	1	20,37				FN0031	10	19,88				
2" x 1"¼													
2" x 1"½				FM0027	1	31,58							



APPLICATION

- Galvanized steel fittings for underground lines

SPECIFICS

- Thickness: 3,4 ÷ 4 mm
- Hydrant fitting height: 1 m (centre/centre)

HYDRANT HEAD WITH SPEAR CONNECTION, ALUMINIUM



HYDRANT HEAD WITH BAYONET CONNECTION, ALUMINIUM



HYDRANT ELBOW WITH SPEAR CONNECTION, ALUMINIUM

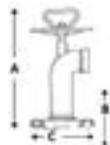


HYDRANT ELBOW WITH BAYONET CONNECTION, ALUMINIUM



Ø	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60 mm x 2"	ACX00030	ACX00030	48,62	ATI008	ACX00034	47,62	ACX00038	ACX00038	157,50	ACI019	ACX00042	127,50
80 mm x 3"	ACX00031	ACX00031	59,12	ATI007	ACX00035	58,62	ACX00039	ACX00039	176,25	ACI020	ACX00043	170,00
100 mm x 4"	ACX00032	ACX00032	74,37	ATI005	ACX00036	72,87	ACX00040	ACX00040	200,62	ACI015	ACX00044	191,87
120 mm x 5"	ACX00033	ACX00033	101,50	ATI006	ACX00037	99,50	ACX00041	ACX00041	337,50	ACI016	ACX00045	316,25

HYDRANT ELBOW WITH BAYONET CONNECTION ALLUMINIUM TYPE HIGH



Ø	Code	Mod.	€	A cm	B cm	C cm
80 mm x 3"	ACXTA043	ACXTA043	218,75	550	300	280
100 mm x 4"	ACXTA044	ACXTA044	268,75	580	300	300
120 mm x 5"	ACXTA045	ACXTA045	450,00	600	320	320

ALUMINIUM HYDRANT ELBOW WITH BAYONET CONNECTION, FOR GATEVALVE



Ø	Code	Mod.	€
100x4"SIGMA	ACXS1870	ACXS1870	127,50
100x4"SAVA	ACXSA870	ACXSA870	127,50
100x4"ISI	ACXIS870	ACXIS870	135,00

BASE PIECE, DOUBLE MALE, BLACK



BASE PIECE, DOUBLE FEMALE, BLACK



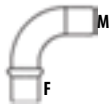
BASE PIECE, MALE/FEMALE, BLACK



Ø	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
63	ACX00224	ACX00224	21,12						
75	ACX00225	ACX00225	20,50	ACX00236	ACX00236	41,00	ACX00247	ACX00247	43,31
90	ACX00226	ACX00226	23,00	ACX00237	ACX00237	44,62	ACX00248	ACX00248	36,25
110	ACX00227	ACX00227	31,75	ACX00238	ACX00238	45,62	ACX00249	ACX00249	40,81
125	ACX00228	ACX00228	36,12	ACX00239	ACX00239	55,25	ACX00250	ACX00250	45,00
140	ACX00229	ACX00229	32,75	ACX00240	ACX00240	56,81	ACX00251	ACX00251	51,50
160	ACX00230	ACX00230	35,75	ACX00241	ACX00241	77,94	ACX00252	ACX00252	68,56
180	ACX00231	ACX00231	47,50	ACX00242	ACX00242	75,62	ACX00253	ACX00253	65,00
200	ACX00232	ACX00232	68,12	ACX00243	ACX00243	110,87	ACX00254	ACX00254	92,00
225	ACX00233	ACX00233	75,00	ACX00244	ACX00244	117,50	ACX00255	ACX00255	135,00
250	ACX00234	ACX00234	80,87	ACX00245	ACX00245	136,25	ACX00256	ACX00256	135,00

Increase price 60% for galvanisation of black pieces

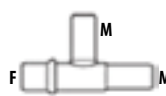
ELBOW 90° M/F GALVANISED



ELBOW 90° F/F GALVANISED



TE F/M/M GALVANISED



TEE F/F/F GALVANISED



RUBBER SEAL FOR PVC

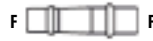


∅	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
75	ACX00400	ACX00400	84,62	ACX00389	ACX00389	84,62	ACX00357	ACX00357	119,81	ACX00346	ACX00346	128,25	GUA00024	GUA00024	2,11
90	ACX00401	ACX00401	87,00	ACX00390	ACX00390	87,00	ACX00358	ACX00358	126,79	ACX00347	ACX00347	136,25	GUA00025	GUA00025	2,56
110	ACI047-Z	ACX00402	111,75	ACX00391	ACX00391	111,75	ATI047-Z	ACX00359	148,50	ACX00348	ACX00348	160,62	RGN302	GUA00026	3,27
125	ACI048-Z	ACX00403	136,25	ACX00392	ACX00392	136,25	ATI048-Z	ACX00360	171,00	ACX00349	ACX00349	186,75	RGN303	GUA00027	3,94
140	ACI049-Z	ACX00404	151,25	ACX00393	ACX00393	151,25	ATI049-Z	ACX00361	177,75	ACX00350	ACX00350	188,75	RGN304	GUA00028	4,59
160	ACI050-Z	ACX00405	210,00	ACX00394	ACX00394	210,00	ATI050-Z	ACX00362	218,25	ACX00351	ACX00351	233,75	RGN305	GUA00029	5,89
180	ACX00406	ACX00406	231,25	ACX00395	ACX00395	231,25	ACX00363	ACX00363	241,87	ACX00352	ACX00352	263,75	GUA00030	GUA00030	9,79
200	ACX00407	ACX00407	470,00	ACX00396	ACX00396	470,00	ACX00364	ACX00364	310,50	ACX00353	ACX00353	332,50	GUA00031	GUA00031	11,82
225	ACX00408	ACX00408	516,25	ACX00397	ACX00397	516,25	ACX00365	ACX00365	342,00	ACX00354	ACX00354	371,25	GUA00032	GUA00032	13,07
250	ACX00409	ACX00409	737,50	ACX00398	ACX00398	737,50	ACX00366	ACX00366	382,50	ACX00355	ACX00355	416,25	GUA00033	GUA00033	15,72

REDUCTION M/M GALVANISED



REDUCTION F/F GALVANISED



REDUCTION M/F GALVANISED



∅	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
90-75	ACX00421	ACX00421	80,44	ACX00438	ACX00438	101,00	ACX00431	ACX00431	101,00
110-90	ACX00422	ACX00422	103,87	ACX00439	ACX00439	118,12	ACX00432	ACX00432	118,12
125-110	ACX00423	ACX00423	124,87	ACX00440	ACX00440	148,75	ACX00433	ACX00433	148,75
140-125	ACX00424	ACX00424	143,75	ACX00441	ACX00441	160,00	ACX00434	ACX00434	160,00
160-140	ACX00425	ACX00425	164,25	ACX00442	ACX00442	180,00	ACX00435	ACX00435	180,00
180-160	ACX00426	ACX00426	191,25	ACX00443	ACX00443	207,50	ACX00436	ACX00436	207,50
200-180	ACX00427	ACX00427	211,87	ACX01036	ACX01036	253,75	ACX00437	ACX00437	253,75
225-200	ACX00428	ACX00428	255,00	ACX01037	ACX01037	310,00			
250-225	ACX00429	ACX00429	292,50	ACX01038	ACX01038	366,25			

M COUPLING WITH FLANGE GALVANISED



F COUPLING WITH FLANGE GALVANISED



END PLUG M GALVANISED



END PLUG F GALVANISED



∅	Code	Mod.	€	Code	Mod.	€
DN65x75	ACX00453	ACX00453	82,00	ACX00464	ACX00464	91,69
DN80x90	ACX00454	ACX00454	83,62	ACX00465	ACX00465	98,62
DN100x110	ABI022-Z	ACX00455	104,62	ACX00466	ACX00466	117,00
DN125x125	ABI023-Z	ACX00456	135,00	ACX00467	ACX00467	147,50
DN125x140	ACX00457	ACX00457	162,50	ACX00468	ACX00468	160,00
DN150x160	ABI025-Z	ACX00458	167,50	ACX00469	ACX00469	185,00
DN150x180	ACX01045	ACX01045	215,00	ACX01046	ACX01046	226,25
DN200x200	ACX00460	ACX00460	318,75	ACX00471	ACX00471	345,00
DN200x225	ACX00461	ACX00461	355,00	ACX01047	ACX01047	387,50
DN250x250	ACX00462	ACX00462	487,50	ACX01048	ACX01048	522,50

∅	Code	Mod.	€	Code	Mod.	€
75	ACX00473	ACX00473	33,25	ACX00484	ACX00484	38,75
90	ACX00474	ACX00474	38,75	ACX00485	ACX00485	43,50
110	ACX00475	ACX00475	43,62	ACX00486	ACX00486	52,12
125	ACX00476	ACX00476	48,75	ACX00487	ACX00487	59,50
140	ACX00477	ACX00477	50,00	ACX00488	ACX00488	62,44
160	ACX00478	ACX00478	76,06	ACX00489	ACX00489	97,75
180	ACX00479	ACX00479	93,12	ACX00490	ACX00490	114,19
200	ACX00480	ACX00480	103,37	ACX00491	ACX00491	131,25
225	ACX00481	ACX00481	112,50	ACX01051	ACX01051	145,00
250	ACX00482	ACX00482	126,25	ACX01052	ACX01052	163,75

FERRARI METAL FITTINGS



Discount category D



MAX WORKING PRESSURE BAR

Tube mm	2 hooks	3 hooks
60	10	11
80	9	10
100	8	9
120	7	8
150	6	7

APPLICATION

- Mobile systems, agriculture and build-sites

SPECIFICS

- Steel made
- High thickness hot galvanizing protection
- Hydraulic seal by rubber o-ring

FEATURES

- Easy building of pressure hydraulic systems
- Removable and easy to transport
- Excellen hydraulic seal and resistance to pressure
- Complete range of models and diameters

MATERIALS

- Body and lockings: galvanized steel
- Seal: NBR o-ring

COMPLETE COUPLING BLACK

GALVANISED COMPLETE COUPLING

BLACK BALL

GALVANISED BALL



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60	ASF100	S2F00002	9,81	ASF085	S2F00008	15,71	ASF001	S2F00020	1,55	ASF075	S2F00038	2,47
80	ASF101	S2F00003	12,06	ASF086	S2F00009	19,30	ASF002	S2F00021	1,90	ASF076	S2F00039	3,04
100	ASF102	S2F00004	15,12	ASF087	S2F00010	24,20	ASF003	S2F00022	2,81	ASF077	S2F00040	4,50
120	ASF103	S2F00005	19,66	ASF088	S2F00011	31,46	ASF004	S2F00023	4,01	ASF078	S2F00041	6,42
150	ASF104	S2F00006	36,36	ASF089	S2F00012	58,17	ASF005	S2F00024	9,59	ASF079	S2F00042	15,35

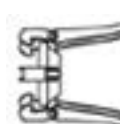
BLACK RING

GALVANISED RING

FEMALE COUPLING BLACK

GALVANISED FEMALE COUPLING

FEMALE COUPLING 3 HOOKS BLACK



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60	ASZ911	S2F00014	1,35	ASF080	S2F00032	2,16	ASF011	S2F00026	6,92	ASF070	S2F00044	11,07	ASF061	S3F00001	9,81
80	ASZ912	S2F00015	1,95	ASF081	S2F00033	3,12	ASF012	S2F00027	8,21	ASF071	S2F00045	13,15	ASF062	S3F00002	11,52
100	ASZ914	S2F00016	2,86	ASF082	S2F00034	4,59	ASF013	S2F00028	9,45	ASF072	S2F00046	15,12	ASF063	S3F00003	13,11
120	ASZ913	S2F00017	3,71	ASF083	S2F00035	5,94	ASF014	S2F00029	11,94	ASF073	S2F00047	19,10	ASF064	S3F00004	15,54
150	ASZ910	S2F00018	8,14	ASF084	S2F00036	13,01	ASF020	S2F00030	18,64	ASF074	S2F00048	29,81	ASF065	S3F00005	29,07

RUBBER GASKET STANDARD

RUBBER GASKET INCREASED



Ø mm	Code	Mod.	€	Code	Mod.	€
60	AGS001	GUA00002	0,77	AGS030	GUA00064	1,24
80	AGS002	GUA00003	0,96	AGS031	GUA00065	3,17
100	AGS003	GUA00004	1,25	AGS032	GUA00066	4,54
120	AGS004	GUA00005	2,26	AGS033	GUA00067	7,35
150	AGS005	GUA00006	3,15			

90° ELBOW



90° ELBOW WITH HOSETAIL



45° ELBOW



IN-LINE T

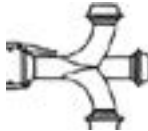


Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60	ACZ001	S2F00050	30,75	ACZ006	S2FPG050	41,71	ACZ050	S2F00056	30,75	ADS155	S2F00061	61,32
80	ACZ002	S2F00051	37,84	ACZ007	S2FPG051	45,79	ACZ051	S2F00057	37,84	ADS156	S2F00062	67,90
100	ACZ003	S2F00052	51,16	ACZ008	S2FPG052	56,31	ACZ052	S2F00058	51,16	ADS157	S2F00063	82,01
120	ACZ004	S2F00053	69,10	ACZ009	S2FPG053	82,86	ACZ053	S2F00059	69,10	ADS158	S2F00064	111,09
150	ACZ005	S2F00054	108,34				ACZ054	S2F00060	108,34	ADS159	S2F00065	165,45

END-OF-LINE T



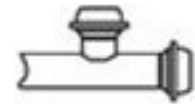
CROSSING WITH COUPLINGS ON EXITS



SWAN-NECK FOR MOTORPUMP DELIVERY

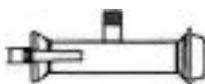


MALE O-TAKE WELDED TO A PIPE



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60	ACD001	S2F00074	71,76	ATE101	S2F00079	90,02	ACC001	S3F00084	113,87	ADS030	S2F00100	31,87
80	ACD002	S2F00075	90,30	ATE102	S2F00080	106,31	ACC002	S3F00085	151,76	ADS031	S2F00101	36,51
100	ACD003	S2F00076	112,35	ATE107	S2F00081	135,80	ACC003	S3F00086	201,56	ADS032	S2F00102	43,11
120	ACD004	S2F00077	154,90	ATE106	S2F00082	173,72	ACC004	S3F00087	256,94			
150	ACD005	S2F00078	220,69	ATE105	S2F00083	248,77	ACC005	S3F00088	344,77			

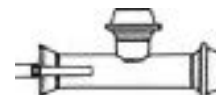
VERTICAL OFF TAKE WITH MALE THREAD



CROSSING WITH THREADED EXITS



VERTICAL O-TAKE WITH MALE COUPLING



Ø mm	Code	Mod.	€	Code	Mod.	€	Ø mm	Code	Mod.	€
60 x 1"	ADS001	S2F00110	44,94				60 x 60 x 60	ADS150	S2F00089	48,44
60 x 1 1/4"	ADS002	S2F00111	45,36				80 x 60 x 80	ADS140	S2F00090	57,92
60 x 1 1/2"	ADS003	S2F00112	45,79				80 x 80 x 80	ADS151	S2F00091	59,31
60 x 2"	ADS004	S2F00113	45,22				100 x 60 x 100	ADS305	S2F00092	62,06
80 x 1"	ADS005	S2F00116	47,49				100 x 80 x 100	ADS141	S2F00093	63,42
80 x 1 1/4"	ADS006	S2F00117	48,17				100 x 100 x 100	ADS152	S2F00094	69,34
80 x 1 1/2"	ADS007	S2F00118	48,44	ATE108	S2F00445	69,66	120 x 60 x 120	ADS147	S2F00095	70,15
80 x 2"	ADS008	S2F00119	48,81				120 x 80 x 120	ADS146	S2F00096	71,76
80 x 3"	ADS009	S2F00121	61,95				120 x 100 x 120	ADS153	S2F00097	78,15
100 x 1"	ADS010	S2F00124	54,66				120 x 120 x 120	ADS149	S2F00476	80,39
100 x 1 1/4"	ADS011	S2F00125	55,34				150 x 80 x 150	ADS145	S2F00098	96,44
100 x 1 1/2"	ADS012	S2F00126	55,74	ATE109	S2F00446	78,36	150 x 100 x 150	ADS148	S2F00099	99,51
100 x 2"	ADS013	S2F00127	55,82	ATE110	S2F00688	82,86	150 x 150 x 150	ADS154	S2F00477	118,67
100 x 3"	ADS014	S2F00129	69,22							
100 x 4"	ADS015	S2F00131	78,51	ATE111	S2F00488	128,77				
120 x 2"	ADS016	S2F00133	65,88							
120 x 3"	ADS017	S2F00134	79,27							
120 x 4"	ADS018	S2F00136	89,02							
120 x 5"	ADS019	S2F00137	97,39							
150 x 4"	ADS020	S2F00139	115,24							
150 x 5"	ADS021	S2F00140	123,21							

FERRARI METAL FITTINGS



Discount category D

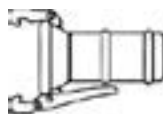
FEMALE CAP



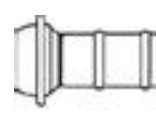
MALE CAP



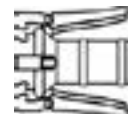
FEMALE COUPLING WITH HOSETAIL



MALE COUPLING WITH HOSETAIL



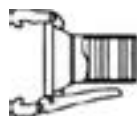
F3-HOOKS COUPLING WITH HOSE-TAIL



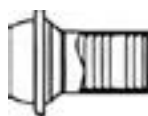
Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60	ATP001	S2F00190	13,06	ATP013	S2F00195	12,36	AGF001	S2F00205	13,57	AGM001	S2F00200	9,52			
80	ATP002	S2F00191	15,16	ATP014	S2F00196	15,02	AGF002	S2F00206	16,74	AGM002	S2F00201	12,20	AGF002S	S3F00206	20,05
100	ATP003	S2F00192	16,85	ATP015	S2F00197	17,55	AGF003	S2F00207	22,77	AGM003	S2F00202	16,84	AGF003S	S3F00207	26,45
120	ATP004	S2F00193	19,10	ATP016	S2F00198	22,32	AGF004	S2F00208	31,19	AGM004	S2F00203	24,81	AGF004S	S3F00208	34,79
150	ATP005	S2F00194	30,61	ATP017	S2F00199	44,54	AGF005	S2F00209*	44,10	AGM005	S2F00204*	47,36	AGF005S	S3F00209	54,04
80 x 60							S2F00533	S2F00533	17,17	S2F00535	S2F00535	12,52			
80 x 70							S2F70532	S2F70532	17,96	S2F70534	S2F70534	13,09			
80 x 76							S2F76532	S2F76532*	19,01	S2F76534	S2F76534*	13,09			
100 x 70							S2F70207	S2F70207	24,44	S2F70202	S2F70202	18,06			
100 x 80							S2F00551	S2F00551	24,44	S2F00613	S2F00613	18,06			
100 x 102							S2F02207	S2F02207*	22,70	S2F02202	S2F02202*	17,27			
120 x 125							S2F25207	S2F25207*	30,79	S2F25202	S2F25202*	24,30			

*Compatible with layflat

FEMALE COUPLING WITH P.E. FITTING TAIL



MALE COUPLING WITH P.E. FITTING TAIL



FEMALE COUPLING WITH MACHINED TAIL FOR LAY-FLAT HOSE



MALE COUPLING WITH MACHINED TAIL FOR LAY-FLAT HOSE



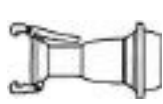
Ø mm	Code	Mod.	€	Code	Mod.	€
60 x PE 63	ACN612	S2F00222	25,86	ACN601	S2F00210	22,24
80 x PE 63	ACN613	S2F00223	27,42	ACN602	S2F00211	23,31
80 x PE 75	ACN611	S2F00225	29,14	ACN603	S2F00213	25,04
80 x PE 90	ACN615	S2F00228	32,44	ACN605	S2F00216	29,02
100 x PE 75	ACN614	S2F00226	33,52	ACN604	S2F00214	29,42
100 x PE 90	ACN616	S2F00229	34,80	ACN606	S2F00217	31,41
100 x PE 110	ACN618	S2F00231	39,24	ACN608	S2F00219	35,64
120 x PE 90	ACN617	S2F00230	39,11	ACN607	S2F00218	35,72
120 x PE 110	ACN619	S2F00232	43,31	ACN609	S2F00220	39,72
120 x PE 125	ACN620	S2F00233	46,35	ACN610	S2F00221	42,76
150 x PE 160	ACN621	S2F00704	102,99	ACN600	S2F00703	100,31

Ø mm	Code	Mod.	€	Code	Mod.	€
80 x 76	S2F00509	S2F00509	41,71	S2F00506	S2F00506	35,69
100 x 104	S2F00510	S2F00510	45,07	S2F00507	S2F00507	40,16
120 x 125	S2F00511	S2F00511	55,61	S2F00508	S2F00508	50,41

REDUCTION



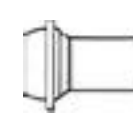
DIAMETRE INCREASE



INNER THREAD FITTING WITH FEMALE COUPLING (COLD GALVANSIED)



INNER THREAD FITTING WITH MALE COUPLING (COLD GALVANSIED)

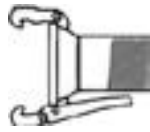


Ø mm	Code	Mod.	€
80 Fx 60 M	ARD002	S2F00242	32,30
100 Fx 60 M	ARD035	S2F00243	34,41
100 Fx 80 M	ARD032	S2F00244	35,67
120 Fx 80 M	ARD004	S2F00245	41,99
120 Fx 100 M	ARD003	S2F00246	41,01
150 Fx 100 M	ARD045	S2F00247	59,69
150 Fx 120 M	ARD006	S2F00248	55,61
200 Fx 150 M	S2F00249	S2F00249	128,94

Ø mm	Code	Mod.	€
80 Mx 60 F	ARD001	S2F00234	32,31
100 Mx 60 F	ARD046	S2F00235	34,26
100 Mx 80 F	ARD033	S2F00236	35,52
120 Mx 80 F	ARD008	S2F00237	41,42
120 Mx 100 F	ARD009	S2F00238	44,10
150 Mx 100 F	ARD034	S2F00239	64,60
150 Mx 120 F	ARD005	S2F00240	58,47
200 Mx 150 F	S2F00241	S2F00241	116,62

Ø mm	Code	Mod.	€	Code	Mod.	€
60 x 2"	ASZ124	S2F0F268	24,20	ASZ130	S2F0F253	17,14
80 x 2"	ASZ120	S2F0F495	28,62	ASZ131	S2F0F494	20,87
80 x 2 1/2"	ASZ125	S2F0F269	31,69	ASZ132	S2F0F254	24,35
80 x 3"	ASZ121	S2F0F270	38,96	ASZ133	S2F00634	26,49
80 x 4"	ASZ126	S2F00537	64,32	ASZ134	S2F00536	39,70
100 x 3"	ASZ127	S2F00553	41,94	ASZ135	S2F00635	30,44
100 x 4"	ASZ128	S2F00554	65,42	ASZ136	S2F00555	41,81
120 x 3"	ASZ129	S2F00651	47,39	ASZ137	S2F00650	35,81
120 x 4"	ASZ122	S2F00564	71,34	ASZ123	S2F00565	47,65

THREADED FITTING WITH F COUPLING



THREADED FITTING WITH M COUPLING



THREADED FITTING WITH F AND OUTLET



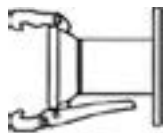
THREADED FITTING WITH M AND OUTLET



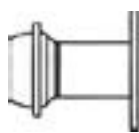
Ø mm	Code	Mod.	€	Code	Mod.	€
60 x 1"	ASZ601	S2F00265	17,50	ASZ606	S2F00250	12,92
60 x 1"¼	ASZ602	S2F00267	18,44	ASZ607	S2F00252	13,85
60 x 1"½	ASZ001	S2F00266	18,44	ASZ010	S2F00251	13,85
60 x 2"	ASZ003	S2F00268	18,60	ASZ016	S2F00253	13,96
80 x 1"	ASZ603	S2F00466	21,96	ASZ608	S2F00452	16,71
80 x 2"	ASZ801	S2F00495	21,96	ASZ011	S2F00494	16,71
80 x 2"½	ASZ006	S2F00269	21,96	ASZ014	S2F00254	16,71
80 x 3"	ASZ004	S2F00270	23,45	ASZ015	S2F00255	18,11
80 x 4"	ASZ604	S2F00271	29,25	ASZ609	S2F00256	24,89
100 x 1"	ASZ605	S2F00468	32,29	ASZ612	S2F00556	23,50
100 x 2"	ASZ008	S2F00470	32,29	ASZ613	S2F00456	23,50
100 x 3"	ASZ101	S2F00272	32,29	ASZ012	S2F00257	23,50
100 x 4"	ASZ005	S2F00274	31,09	ASZ018	S2F00259	24,21
120 x 3"	ASZ611	S2F00472	39,82	ASZ685	S2F00462	31,42
120 x 4"	ASZ002	S2F00275	39,82	ASZ013	S2F00260	31,42
120 x 5"	ASZ007	S2F00276	42,50	ASZ019	S2F00261	34,76
150 x 4"	ASZ690	S2F00277	52,96	ASZ689	S2F00262	52,62
150 x 5"	ASZ696	S2F00278	54,84	ASZ695	S2F00263	54,66
150 x 6"	ASZ692	S2F00279	57,20	ASZ691	S2F00264	62,54

Ø mm	Code	Mod.	€	Code	Mod.	€
60 x 2" x ¾"	ASZ046	S2F34268	31,24	ASZ042	S2F34253	26,14
60 x 2" x 1"	ASZ047	S2F10268	32,77	ASZ058	S2F10253	27,67
80 x 3" x ¾"	ASZ048	S2F34270	34,67	ASZ043	S2F34255	30,05
80 x 3" x 1"	ASZ060	S2F10270	36,69	ASZ050	S2F10255	32,06
100 x 3" x ¾"	ASZ062	S2F34275	44,19	ASZ044	S2F34260	39,07
100 x 3" x 1"	ASZ065	S2F10272	45,72	ASZ045	S2F10257	40,61
100 x 4" x ¾"	ASZ061	S2F34274	44,19	ASZ051	S2F34259	39,07
100 x 4" x 1"	ASZ063	S2F10274	45,72	ASZ052	S2F10259	40,61
120 x 4" x ¾"	S2F34272	S2F34272	52,92	S2F34257	S2F34257	46,29
120 x 4" x 1"	S2F10275	S2F10275	54,77	S2F10260	S2F10260	48,25

FEMALE COUPLING WITH FLANGE

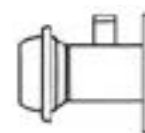


MALE COUPLING WITH FLANGE



Ø mm	Code	Mod.	€	Code	Mod.	€
DN50 x 60	ASZ947	S2F00292	48,59	ASZ875	S2F00280	39,75
DN50 x 80	ASZ948	S2F00293	50,00	ASZ876	S2F00281	41,71
DN65 x 80	ASZ941	S2F00294	56,17	ASZ943	S2F00282	50,00
DN80 x 80	ASZ900	S2F00295	59,69	ASZ893	S2F00283	53,09
DN80 x 100	ASZ949	S2F00296	61,51	ASZ892	S2F00284	53,36
DN80 x 120	ASZ905	S2F00298	68,11	ASZ897	S2F00286	59,69
DN100 x 100	ASZ902	S2F00297	68,95	ASZ894	S2F00285	61,22
DN100 x 120	ASZ906	S2F00299	71,62	ASZ899	S2F00287	63,61
DN100 x 150	ASZ938	S2F00301	99,85	ASZ939	S2F00289	93,67
DN125 x 100	ASZ879	S2F00695	96,34	ASZ878	S2F00719	85,67
DN125 x 120	ASZ903	S2F00300	96,34	ASZ895	S2F00288	85,67
DN125 x 150	ASZ940	S2F00302	113,75	ASZ889	S2F00290	105,75
DN150 x 120	ASZ882	S2F00699	104,21	ASZ898	S2F00698	94,05
DN150 x 150	ASZ904	S2F00303	121,05	ASZ041	S2F00291	113,82

MALE COUPLING WITH FLANGE AND OUTLET



Ø mm	Code	Mod.	€
100 x DN100 x ¾"	ASZ080	S2F00694	81,00
120 x DN100 x ¾"	ASZ081	S2F00693	103,84
150 x DN150 x ¾"	S2F00696	S2F00696	135,46

FERRARI METAL FITTINGS



Discount category D

SPRINKLER SUPPORT WITH FEMALE COUPLING 60 MALE THREAD

SPRINKLER SUPPORT WITH FEMALE COUPLING 80 MALE THREAD

SPRINKLER SUPPORT WITH FEMALE COUPLING 100 MALE THREAD



Ø	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
cm 25 x 1"	S2F00314	S2F00314	25,14	S2F00321	S2F00321	27,81	S2F00328	S2F00328	30,34
cm 25 x 1"¼	S2F00315	S2F00315	26,69	S2F00322	S2F00322	29,35	S2F00329	S2F00329	31,87
cm 25 x 1"½	S2F00316	S2F00316	27,52	S2F00323	S2F00323	30,34	S2F00330	S2F00330	34,26
cm 50 x 1"	S2F00317	S2F00317	27,81	S2F00324	S2F00324	30,61	S2F00331	S2F00331	34,55
cm 50 x 1"¼	S2F00318	S2F00318	30,47	S2F00325	S2F00325	33,14	S2F00332	S2F00332	37,07
cm 50 x 1"½	S2F00319	S2F00319	32,02	S2F00326	S2F00326	34,82	S2F00333	S2F00333	38,76
cm 100 x 1"	S2F00320	S2F00320	34,12	S2F00327	S2F00327	36,51	S2F00334	S2F00334	40,02

SUPPORT FOR RAINGUN, THREE ADJUSTABLE 1 M LEGS, THREAD

SUPPORT FOR RAINGUN, FOUR ADJUSTABLE 1 M LEGS



Ø	Code	Mod.	€
60 x 1"¼	S2F00335	S2F00335	193,56
60 x 1"½	S2F00336	S2F00336	193,56
60 x 2"	S2F00337	S2F00337	193,56
80 x 1"½	S2F00340	S2F00340	217,69
80 x 2"	S2F00341	S2F00341	217,69
100 x 2"	S2F00345	S2F00345	230,31

Ø	Code	Mod.	€
80 x 80	S2F00348	S2F00348	376,37
100 x 80	S2F00351	S2F00351	401,37
100 x 100	S2F00349	S2F00349	431,12

FLANGED MALE COUPLING FOR RAINGUN

THREADED MALE COUPLING FOR RAINGUN



Ø	Code	Mod.	€
80	S2F00352	S2F00352	54,50
100	S2F00353	S2F00353	65,87

Ø	Code	Mod.	€
60 x 2"	S2F00354	S2F00354	22,62
80 x 3"	S2F00355	S2F00355	29,37
100 x 4"	S2F00356	S2F00356	38,94

IN-LINE GATEVALVE WITH COUPLINGS



Ø	Code	Mod.	€
60 x 2" x 60	S2F00357	S2F00357	162,91
80 x 2½" x 80	S2F00358	S2F00358	195,21
80 x 3" x 80	S2F00359	S2F00359	220,49
100 x 3" x 100	S2F00360	S2F00360	234,52
100 x 4" x 100	S2F00362	S2F00362	311,77
120 x 4" x 120	S2F00363	S2F00363	327,22
120 x 5" x 120	S2F00364	S2F00364	613,71
150 x 5" x 150	S2F00365	S2F00365	651,62

DELIVERY GATE-VALVE FOR PUMPS



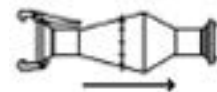
Ø	Code	Mod.	€
50 x 2" x 60M	S2F00366	S2F00366	193,74
65 x 2" x 60M	S2F00367	S2F00367	200,55
65 x 2" x 80M	S2F00368	S2F00368	203,64
80 x 3" x 80M	S2F00369	S2F00369	276,52
80 x 3" x 100M	S2F00370	S2F00370	283,69
80 x 4" x 120M	S2F00371	S2F00371	373,56
100 x 4" x 100M	S2F00372	S2F00372	370,75
100 x 4" x 120M	S2F00373	S2F00373	377,77
125 x 4" x 120M	S2F00374	S2F00374	387,61
125 x 5" x 120M	S2F00375	S2F00375	672,70
125 x 5" x 150M	S2F00376	S2F00376	696,57

IN-LINE CHECK-VALVE WITH COUPLINGS



Ø mm	Code	Mod.	€
60 x 2" x 60	S2F00497	S2F00497	171,34
80 x 3" x 80	S2F00499	S2F00499	257,00
100 x 4" x 100	S2F00500	S2F00500	346,87
120 x 4" x 120	S2F00501	S2F00501	363,74
150 x 5" x 150	S2F00503	S2F00503	1.023,19

IN-LINE GALVANISED CHECK-VALVE WITH COUPLINGS



Ø mm	Code	Mod.	€
60	S2F00387	S2F00387	126,11
80	S2F00388	S2F00388	162,30
100	S2F00389	S2F00389	196,19
120	S2F00390	S2F00390	249,97
150	S2F00391	S2F00391	326,35

FOOT-VALVE WITH MALE COUPLING



FOOT-VALVE WITH FEMALE COUPLING



FOOT VALVE WITH 45° BEND AND MALE



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60	AVF001	S2F00377	95,36	AVF040	S2F00378	99,50			
80	AVF002	S2F00379	110,95	AVF041	S2F00380	120,12	AVF045	S2FC0379	142,00
100	AVF003	S2F00381	127,80	AVF042	S2F00382	133,24	AVF046	S2FC0381	170,00
120	AVF004	S2F00383	174,99	AVF043	S2F00384	178,74	AVF047	S2FC0383	230,62
150	AVF005	S2F00385	226,04	AVF044	S2F00386	232,29	AVF048	S2FC0385	297,00

ROBUR METAL FITTINGS



Discount category D



MAX WORKING PRESSURE

Tube mm	Bar
60	15
80	14
100	12
120	11
150	9

APPLICATION

- Mobile systems, agriculture and build-sites

SPECIFICS

- Maximum working pressure: 10 bar
- Steel made
- High thickness hot galvanizing protection
- Hydraulic seal by rubber o-ring

FEATURES

- Easy building of pressure hydraulic systems
- Removable and easy to transport
- Excellen hydraulic seal and resistance to pressure
- Complete range of models and diameters

MATERIALS

- Body and lockings: galvanized steel
- Seal: lip

COMPLETE COUPLING BLACK



GALVANISED COMPLETE COUPLING

BLACK BALL



GALVANISED BALL

Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60	AGR225	ROB00001	15,62	AGR245	ROB00006	25,00	AGR215	ROB00011	4,42	AGR235	ROB00026	7,09
80	AGR226	ROB00002	17,92	AGR246	ROB00007	28,67	AGR216	ROB00012	4,99	AGR236	ROB00027	7,97
100	AGR227	ROB00003	23,77	AGR247	ROB00008	38,05	AGR217	ROB00013	6,55	AGR237	ROB00028	10,49
120	AGR228	ROB00004	28,87	AGR248	ROB00009	46,19	AGR218	ROB00014	8,99	AGR238	ROB00029	14,37
150	AGR229	ROB00005	42,00	AGR249	ROB00010	67,21	AGR219	ROB00015	16,47	AGR239	ROB00030	26,36

BLACK RING



GALVANISED RING

FEMALE COUPLING BLACK

GALVANISED FEMALE COUPLING



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60	AGR220	ROB00016	7,40	AGR240	ROB00031	11,84	AGR210	ROB00021	3,80	AGR230	ROB00036	6,07
80	AGR221	ROB00017	8,16	AGR241	ROB00032	13,06	AGR211	ROB00022	4,76	AGR231	ROB00037	7,62
100	AGR222	ROB00018	10,59	AGR242	ROB00033	16,94	AGR212	ROB00023	6,65	AGR232	ROB00038	10,64
120	AGR223	ROB00019	11,69	AGR243	ROB00034	18,70	AGR213	ROB00024	8,20	AGR233	ROB00039	13,11
150	AGR224	ROB00020	13,69	AGR244	ROB00035	21,90	AGR214	ROB00025	11,84	AGR234	ROB00040	18,95

F PLUG



M PLUG



RUBBER SEALS



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60	AGR083	ROB00129	23,04	AGR088	ROB00134	28,74	AGR200	GUA00007	1,71
80	AGR084	ROB00130	35,55	AGR089	ROB00135	39,21	AGR201	GUA00008	2,20
100	AGR085	ROB00131	42,61	AGR090	ROB00136	51,96	AGR202	GUA00009	2,87
120	AGR086	ROB00132	57,11	AGR091	ROB00137	68,42	AGR203	GUA00010	3,07
150	AGR087	ROB00133	70,74	AGR092	ROB00138	94,80	AGR204	GUA00011	4,35

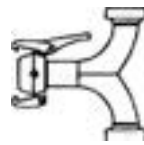
90° ELBOW



45° ELBOW



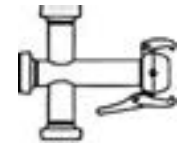
END-OF-LINE T



IN-LINE TEE



CROSSING WITH COUPLINGS ON EXITS

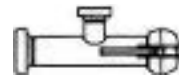


Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60	AGR020	ROB00041	37,02	AGR025	ROB00046	37,02	AGR035	ROB00060	75,84	AGR030	ROB00051	51,17	AGR040	ROB00065	77,86
80	AGR021	ROB00042	43,81	AGR026	ROB00047	43,81	AGR036	ROB00061	94,00	AGR031	ROB00052	56,51	AGR041	ROB00066	87,99
100	AGR022	ROB00043	60,19	AGR027	ROB00048	60,19	AGR037	ROB00062	119,26	AGR032	ROB00053	71,31	AGR042	ROB00067	108,85
120	AGR023	ROB00044	79,74	AGR028	ROB00049	79,74	AGR038	ROB00063	162,31	AGR033	ROB00054	106,90	AGR043	ROB00068	137,85
150	AGR024	ROB00045	118,42	AGR029	ROB00050	118,42	AGR039	ROB00064	226,95	AGR034	ROB00055	138,47	AGR044	ROB00069	183,84

CROSSING WITH THREADED EXITS



VERTICAL O-TAKE WITH FEMALE COUPLING



VERTICAL OFF-TAKE WITH MALE THREAD

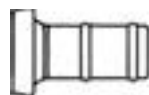


Ø mm	Code	Mod.	€
80 x 1 1/2	AGR045	ROB00070	70,77
100 x 1 1/2	AGR046	ROB00071	81,30
120 x 1 1/2	AGR047	ROB00073	91,15
150 x 1 1/2	AGR048	ROB00297	117,96

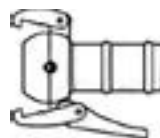
Ø mm	Code	Mod.	€
60 x 60 x 60	AGR054	ROB00079	51,12
80 x 80 x 60	AGR055	ROB00080	53,92
80 x 80 x 80	AGR056	ROB00081	56,51
100 x 100 x 60	AGR057	ROB00082	65,84
100 x 100 x 80	AGR058	ROB00083	68,71
100 x 100 x 100	AGR059	ROB00084	71,31
120 x 120 x 100	AGR060	ROB00087	83,17
120 x 120 x 120	AGR062	ROB00339	105,72
150 x 150 x 100	AGR061	ROB00391	106,90
150 x 150 x 150	AGR063	ROB00428	110,46

Ø mm	Code	Mod.	€
60 x 60 x 2" M	AGR064	ROB00110	52,30
80 x 80 x 1" M	AGR065	ROB00113	54,42
80 x 80 x 1 1/2" M	AGR066	ROB00114	55,14
80 x 80 x 2" M	AGR067	ROB00115	55,54
80 x 80 x 2 1/2" M	AGR068	ROB00330	60,75
80 x 80 x 3" M	AGR069	ROB00116	69,55
100 x 100 x 1 1/4" M	AGR070	ROB00331	65,61
100 x 100 x 1 1/2" M	AGR071	ROB00119	66,00
100 x 100 x 2" M	AGR072	ROB00120	65,52
100 x 100 x 2 1/2" M	AGR073	ROB00332	71,06
100 x 100 x 3" M	AGR074	ROB00121	79,84
100 x 100 x 4" M	AGR075	ROB00122	90,22
120 x 120 x 1 1/2" M	AGR076	ROB00124	78,44
120 x 120 x 2" M	AGR077	ROB00125	75,84
120 x 120 x 3" M	AGR078	ROB00126	90,14
120 x 120 x 4" M	AGR079	ROB00127	100,54
120 x 120 x 5" M	AGR080	ROB00128	109,46
150 x 150 x 4" M	AGR081	ROB00298	124,50
150 x 150 x 5" M	AGR082	ROB00335	133,41

FEMALE COUPLING WITH HOSE-TAIL



MALE COUPLING WITH HOSE-TAIL



FEMALE COUPLING WITH P.E. TTING TAIL



MALE COUPLING WITH P.E. TTING TAIL



Ø mm	Code	Mod.	€	Code	Mod.	€
60	AGR101	ROB00144	10,76	AGR093	ROB00139	18,04
80	AGR102	ROB00145	13,34	AGR094	ROB00140	21,20
80 x 76*	AGR103	ROB76145	15,11	AGR095	ROB76140	22,72
100	AGR104	ROB00146	22,02	AGR096	ROB00141	28,59
100 x 102*	AGR105	ROB02146	20,62	AGR097	ROB02141	28,64
120	AGR106	ROB00147	27,97	AGR098	ROB00142	37,27
120 x 125*	AGR107	ROB24147	30,00	AGR099	ROB25142	39,27
150	AGR108	ROB00148	37,25	AGR100	ROB00143	61,56

Ø mm	Code	Mod.	€	Code	Mod.	€
60 x PE 63	AGR118	ROB00158	23,86	AGR109	ROB00149	31,42
80 x PE 63	AGR119	ROB00159	24,75	AGR110	ROB00150	32,80
80 x PE 75	AGR120	ROB00161	26,59	AGR111	ROB00152	34,65
80 x PE 90	AGR121	ROB00163	31,25	AGR112	ROB00154	39,32
100 x PE 90	AGR122	ROB00164	33,06	AGR113	ROB00155	43,30
100 x PE 110	AGR123	ROB00341	37,65	AGR114	ROB00340	47,90
120 x PE 110	AGR124	ROB00166	40,90	AGR115	ROB00157	53,17
120 x PE 125	AGR125	ROB00291	44,15	AGR116	ROB00290	56,41
150 x PE 160	AGR126	ROB00443	96,47	AGR117	ROB00442	110,60

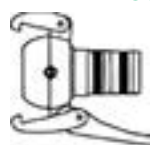
*Compatible with layfat

ROBUR METAL FITTINGS



Discount category D

MALE COUPLING WITH MACHINED TAIL FOR LAY-FLAT HOSE



Ø mm	Code	Mod.	€	Code	Mod.	€
80 x 76	AGR130	ROB00371	44,36	AGR127	ROB00374	37,54
100 x 104	AGR131	ROB00372	50,52	AGR128	ROB00375	40,91
120 x 125	AGR132	ROB00373	62,02	AGR129	ROB00376	50,56

FEMALE COUPLING WITH MACHINED TAIL FOR LAY-FLAT HOSE



REDUCTION



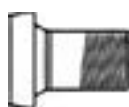
Ø mm	Code	Mod.	€
80-60	AGR137	ROB00173	35,26
100-80	AGR138	ROB00175	41,10
120-100	AGR139	ROB00176	47,65
150-120	AGR140	ROB00178	64,51

DIAMETRE INCREASE



Ø mm	Code	Mod.	€
60-80	AGR133	ROB00167	35,27
80-100	AGR134	ROB00169	38,31
100-120	AGR135	ROB00170	45,45
120-150	AGR136	ROB00172	58,10

THREADED FITTING WITH FEMALE COUPLING

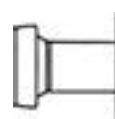


Ø mm	Code	Mod.	€	Code	Mod.	€
60 x 1 1/2"	AGR141	ROB00194	15,65	AGR154	ROB00179	24,21
60 x 2"	AGR142	ROB00195	15,37	AGR155	ROB00180	23,80
80 x 2"	AGR143	ROB00196	18,50	AGR156	ROB00181	27,36
80 x 2 1/2"	AGR144	ROB00197	18,50	AGR157	ROB00182	27,36
80 x 3"	AGR145	ROB00198	20,04	AGR158	ROB00183	28,76
100 x 3"	AGR146	ROB00201	29,66	AGR159	ROB00186	35,92
100 x 4"	AGR147	ROB00203	28,35	AGR160	ROB00188	36,30
100 x 5"	AGR148	ROB00322	41,71	AGR161	ROB00311	49,85
120 x 4"	AGR149	ROB00204	36,15	AGR162	ROB00189	45,07
120 x 5"	AGR150	ROB00205	38,97	AGR163	ROB00190	48,45
150 x 4"	AGR151	ROB00206	45,15	AGR164	ROB00191	66,55
150 x 5"	AGR152	ROB00207	47,29	AGR165	ROB00192	68,57
150 x 6"	AGR153	ROB00208	45,85	AGR166	ROB00193	75,84

THREADED FITTING WITH MALE COUPLING

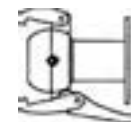


FEMALE COUPLING WITH FLANGE



Ø mm	Code	Mod.	€	Code	Mod.	€
DN65 x 80	AGR167	ROB00210	52,32	AGR176	ROB00221	57,55
DN80 x 80	AGR168	ROB00211	56,01	AGR177	ROB00222	60,59
DN80 x 100	AGR169	ROB00212	57,72	AGR178	ROB00223	63,80
DN100 x 100	AGR170	ROB00214	65,20	AGR179	ROB00225	71,62
DN100 x 120	AGR171	ROB00215	66,94	AGR180	ROB00226	75,61
DN125 x 120	AGR172	ROB00217	92,02	AGR181	ROB00228	98,00
DN125 x 150	AGR173	ROB00218	104,85	AGR182	ROB00229	116,31
DN150 x 150	AGR174	ROB00219	135,14	AGR183	ROB00230	147,46
DN200 x 150	AGR175	ROB00444	237,34	AGR184	ROB00445	254,19

MALE COUPLING WITH FLANGE



IN-LINE GATEVALVE WITH COUPLINGS



Ø	Code	Mod.	€
60 x 2" x 60	ROB00272	ROB00272	169,22
80 x 3" x 80	ROB00274	ROB00274	227,16
100 x 4" x 100	ROB00276	ROB00276	321,60
120 x 4" x 120	ROB00277	ROB00277	337,05
120 x 5" x 120	ROB00278	ROB00278	623,54
150 x 5" x 150	ROB00279	ROB00279	665,67

DELIVERY GATE-VALVE FOR PUMPS



Ø	Code	Mod.	€
65 x 2" x 80m	ROB00345	ROB00345	205,04
80 x 3" x 80M	ROB00346	ROB00346	286,49
80 x 3" x 100M	ROB00347	ROB00347	294,92
80 x 4" x 120M	ROB00348	ROB00348	386,20
100 x 4" x 100M	ROB00349	ROB00349	381,99
100 x 4" x 120M	ROB00350	ROB00350	390,41
100 x 5" x 120M	ROB50350	ROB50350	683,94
125 x 5" x 120M	ROB00352	ROB00352	686,74
125 x 5" x 150M	ROB00353	ROB00353	707,80

IN-LINE CHECK-VALVE WITH COUPLINGS



Ø mm	Code	Mod.	€
60 x 2" x 60	ROB00354	ROB00354	177,80
80 x 3" x 80	ROB00356	ROB00356	271,05
100 x 4" x 100	ROB00357	ROB00357	355,31
120 x 4" x 120	ROB00358	ROB00358	372,16
120 x 5" x 120	ROB50358	ROB50358	1.046,32
150 x 5" x 150	ROB00360	ROB00360	1.075,75

IN-LINE GALVANISED CHECK-VALVE WITH COUPLINGS



Ø mm	Code	Mod.	€
60	ROB00300	ROB00300	130,19
80	ROB00301	ROB00301	166,41
100	ROB00302	ROB00302	203,50
120	ROB00303	ROB00303	258,40
150	ROB00304	ROB00304	346,04

FOOT-VALVE WITH FEMALE COUPLING



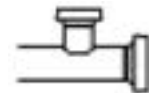
FOOT-VALVE WITH MALE COUPLING



SWAN-NECK FOR MOTORPUMP DELIVERY



FEMALE OFF-TAKE WELDED TO A PIPE



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60	AGR190	ROB00280	112,35	AGR185	ROB00285	118,52	AGR049	ROB00074	122,89	ROB00088	ROB00088	34,82
80	AGR191	ROB00281	128,22	AGR186	ROB00286	136,92	AGR050	ROB00075	162,35	ROB00089	ROB00089	39,70
100	AGR192	ROB00282	141,84	AGR187	ROB00287	157,85	AGR051	ROB00076	217,40	ROB00100	ROB00100	47,99
120	AGR193	ROB00283	190,71	AGR188	ROB00288	210,66	AGR052	ROB00077	276,37			
150	AGR194	ROB00284	236,50	AGR189	ROB00289	282,27	AGR053	ROB00078	372,16			

ANFOR METAL FITTINGS



Discount category D



MAX WORKING PRESSURE BAR

Tube mm	2 hooks	3 hooks
120	13	
150	12	16
200	8	10
250	5	8
300	5	8

APPLICATION

- For mobile systems, for agriculture and shipbuilding

SPECIFICS

- Made of steel
- Protection with high thickness hot-dip galvanisation
- Hydraulic seal by rubber o-ring

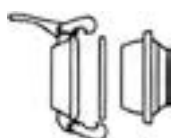
FEATURES

- Simple creation of pressurized hydraulic systems
- Removable and easily transportable
- Excellent hydraulic seal and pressure resistance
- Complete range of shapes and diameters

MATERIALS

- Body and closures in galvanized steel

COMPLETE COUPLING BLACK 2 HOOKS



COMPLETE COUPLING BLACK 3 HOOKS



FEMALE COUPLING BLACK 2 HOOKS



FEMALE COUPLING BLACK 3 HOOKS



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
120	ASF056	A2N12000	40,65	A3N12000	A3N12000	51,27	ASF041	A2N00014	24,19	A3N00014	A3N00014	34,81
150	ASF057	A2N15000	45,90	A3N15000	A3N15000	55,90	ASF042	A2N00015	23,87	A3N00015	A3N00015	33,87
200	ASF058	A2N20000	76,15	A3N20000	A3N20000	100,02	ASF043	A2N00016	43,37	A3N00016	A3N00016	67,25
250	ASF059	A2N25000	113,80	A3N25000	A3N25000	144,55	ASF023	A2N00017	57,31	A3N00017	A3N00017	88,06
300	ASF060	A2N30000	349,26	A3N30000	A3N30000	349,26	ASF045	A2N00018	137,37	A3N00018	A3N00018	245,25

Increase price 60% for galvanisation of black couplings

BLACK BALL



BLACK RING



RUBBER GASKET



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
120	ASF031	A2N00008	9,20	ASF051	A2N00002	7,26	AGA105	GUA00046	2,61
150	ASF032	A2N00009	9,62	ASF052	A2N00003	12,40	AGA106	GUA00047	2,12
200	ASF033	A2N00010	17,96	ASF053	A2N00004	14,81	AGA107	GUA00048	4,74
250	ASF034	A2N00011	31,09	ASF054	A2N00005	25,40	AGA108	GUA00049	12,72
300	ASF035	A2N00012	56,97	ASF055	A2N00006	47,04	AGA109	GUA00050	14,21

Increase price 60% for galvanisation of black couplings

90° ELBOW 2 HOOKS



90° ELBOW 3 HOOKS



45° ELBOW 2 HOOKS



45° ELBOW 3 HOOKS



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
120	AGA001	A2N00020	84,81	AGA115	A3N00020	95,44	AGA006	A2N00026	77,50	AGA120	A3N00026	88,12
150	AGA002	A2N00021	105,37	AGA116	A3N00021	115,37	AGA007	A2N00027	94,37	AGA121	A3N00027	104,37
200	AGA003	A2N00022	190,00	AGA117	A3N00022	213,87	AGA008	A2N00028	175,00	AGA122	A3N00028	198,87
250	AGA004	A2N00023	297,50	AGA118	A3N00023	328,25	AGA009	A2N00029	255,00	AGA123	A3N00029	285,75
300	AGA005	A2N00024	472,50	AGA119	A3N00024	580,37	AGA010	A2N00030	422,50	AGA124	A3N00030	530,37

END-OF-LINE TEE 2 HOOKS



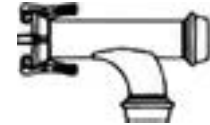
END-OF-LINE TEE 3 HOOKS



IN-LINE TEE MALE EXIT 2 HOOKS

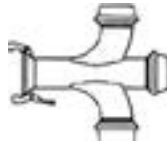


IN-LINE TEE MALE EXIT 3 HOOKS

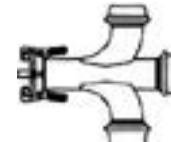


Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
120 curva	AGA016	A2N00038	178,75	AGA130	A3N00038	189,37	AGA011	A2N00032	142,87	AGA125	A3N00032	153,50
150 curva	AGA017	A2N00039	277,50	AGA131	A3N00039	287,50	AGA012	A2N00033	232,25	AGA126	A3N00033	242,25
200 curva	AGA018	A2N00040	448,75	AGA132	A3N00040	472,62	AGA013	A2N00034	378,75	AGA127	A3N00034	402,62
250 90°	AGA019	A2N00041	661,25	AGA133	A3N00041	692,00	AGA014	A2N00035	416,25	AGA128	A3N00035	447,00
300 90°	AGA020	A2N00042	972,50	AGA134	A3N00042	1.080,37	AGA015	A2N00036	751,25	AGA129	A3N00036	859,12

CROSSING WITH COUPLINGS ON EXITS 2 HOOKS



CROSSING WITH COUPLINGS ON EXITS 3 HOOKS



Ø mm	Code	Mod.	€	Code	Mod.	€
120	AGA021	A2N00044	206,25	AGA135	A3N00044	216,87
150	AGA022	A2N00045	262,50	AGA136	A3N00045	272,50
200	AGA023	A2N00046	443,75	AGA137	A3N00046	467,62
250	AGA024	A2N00047	621,25	AGA138	A3N00047	652,00
300	AGA025	A2N00048	936,25	AGA139	A3N00048	1.044,12

SWAN-NECK FOR MOTORPUMP DELIVERY 2 HOOKS

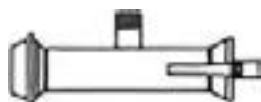


SWAN-NECK FOR MOTORPUMP DELIVERY 3 HOOKS



Ø mm	Code	Mod.	€	Code	Mod.	€
120	AGA026	A2N00050	267,50	AGA140	A3N00050	278,12
150	AGA027	A2N00051	430,00	AGA141	A3N00051	440,00
200	AGA028	A2N00052	666,25	AGA142	A3N00052	690,12
250	AGA029	A2N00253	1.075,00	AGA143	A3N00053	1.105,75
300	AGA030	A2N00254	1.622,50	AGA144	A3N00054	1.730,00

VERTICAL OFF-TAKE WITH MALE THREAD



Ø mm	Code	Mod.	€
120 x 120 x 4"	AGA031	A2N00407	96,62
120 x 120 x 5"	AGA032	A2N00408	106,00
150 x 150 x 4"	AGA033	A2N00184	106,62
150 x 150 x 5"	AGA034	A2N00409	116,12
200 x 200 x 4"	AGA035	A2N00187	169,37
200 x 200 x 5"	AGA036	A2N00410	177,50
250 x 250 x 4"	AGA037	A2N00196	336,25
250 x 250 x 5"	AGA038	A2N00411	341,25
300 x 300 x 4"	AGA039	A2N00412	526,25
300 x 300 x 5"	AGA040	A2N00413	531,25

ANFOR METAL FITTINGS



Discount category D

F PLUG 2 HOOKS



F PLUG 3 HOOKS

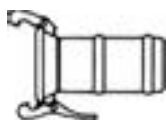


M PLUG 2 HOOKS

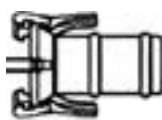


Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
120	AGA041	A2N00073	50,00	AGA145	A3N00073	60,62	AGA046	A2N00079	45,00
150	AGA042	A2N00074	53,87	AGA146	A3N00074	65,62	AGA047	A2N00080	54,19
200	AGA043	A2N00075	77,50	AGA147	A3N00075	101,37	AGA048	A2N00081	58,37
250	AGA044	A2N00076	108,75	AGA148	A3N00076	139,50	AGA049	A2N00082	98,00
300	AGA045	A2N00077	231,75	AGA149	A3N00077	339,62	AGA050	A2N00083	176,25

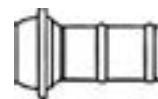
FEMALE COUPLING WITH HOSE-TAIL 2 HOOKS



FEMALE COUPLING WITH HOSE-TAIL 3 HOOKS



MALE COUPLING WITH HOSE-TAIL 2 HOOKS



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
120	AGA051	A2N00091	36,25	AGA150	A3N00091	46,87	AGA056	A2N00085	35,00
150	AGA052	A2N00092	40,75	AGA151	A3N00092	50,75	AGA057	A2N00086	40,37
200	AGA053	A2N00093	85,87	AGA152	A3N00093	109,75	AGA058	A2N00087	79,62
250	AGA054	A2N00150	126,25	AGA153	A3N00094	157,00	AGA059	A2N00088	132,50
300	AGA055	A2N00095	230,00	AGA154	A3N00095	337,87	AGA060	A2N00089	202,50

DIAMETRE REDUCER 2 HOOKS



DIAMETRE REDUCER 3 HOOKS



DIAMETRE INCREASE 2 HOOKS



DIAMETRE INCREASE 3 HOOKS



Ø mm	Code	Mod.	€	Code	Mod.	€	Ø mm	Code	Mod.	€	Code	Mod.	€
150-120	AGA065	A2N00102	77,50	AGA159	A3N00102	87,50	120-150	AGA061	A2N00097	83,75	AGA155	A3N00097	94,37
200-150	AGA066	A2N00103	115,37	AGA160	A3N00103	139,25	150-200	AGA062	A2N00098	110,00	AGA156	A3N00098	120,00
250-200	AGA067	A2N00104	186,62	AGA161	A3N00104	217,37	200-250	AGA063	A2N00099	193,75	AGA157	A3N00099	217,62
300-250	AGA068	A2N00105	337,37	AGA162	A3N00105	445,25	250-300	AGA064	A2N00100	286,25	AGA158	A3N00100	317,00

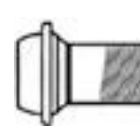
THREADED FITTING WITH FEMALE COUPLING 2 HOOKS



THREADED FITTING WITH FEMALE COUPLING 3 HOOKS

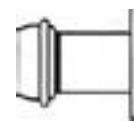


THREADED FITTING WITH MALE COUPLING 2 HOOKS



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
120 x 5"	AGA069	A2N00110	46,25	AGA163	A3N00110	56,87	AGA072	A2N00107	38,75
150 x 5"	AGA070	A2N00111	49,75	AGA164	A3N00111	59,75	AGA073	A2N00108	48,50
150 x 6"	AGA071	A2N00127	59,12				AGA074	A2N00126	53,87

FEMALE COUPLING WITH FLANGE 2 HOOKS FEMALE COUPLING WITH FLANGE 3 HOOKS MALE COUPLING WITH FLANGE 2 HOOKS



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
120 x DN125	AGA075	A2N00120	77,50	AGA165	A3N00120	88,12	AGA085	A2N00113	70,00
150 x DN100	AGA076	A2N00420	85,00	AGA166	A3N00420	95,00	AGA086	A2N00135	81,25
150 x DN125	AGA077	A2N00421	88,75	AGA167	A3N00421	98,75	AGA087	A2N00417	83,75
150 x DN150	AGA078	A2N00121	99,75	AGA168	A3N00121	109,75	AGA088	A2N00114	94,87
200 x DN150	AGA079	A2N00122	157,50	AGA169	A3N00122	191,00	AGA089	A2N00115	148,75
200 x DN200	AGA080	A2N00123	196,25	AGA170	A3N00123	221,50	AGA090	A2N00116	175,62
250 x DN250	AGA082	A2N00422	278,75	AGA172	A3N00422	418,12	AGA092	A2N00418	273,75
300 x DN200	AGA081	A2N00124	295,00	AGA171	A3N00124	325,75	AGA091	A2N00117	290,00
300 x DN250	AGA083	A2N00442	337,50	AGA173	A3N00423	476,87	AGA093	A2N00419	310,00
300 x DN300	AGA084	A2N00125	438,75	AGA174	A3N00125	546,87	AGA094	A2N00118	385,00

FOOT-VALVE WITH FEMALE COUPLING 2 HOOKS



FOOT-VALVE WITH FEMALE COUPLING 3 HOOKS



FOOT-VALVE WITH MALE COUPLING 2 HOOKS



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
120	AGA100	A2N00139	145,00	AGA175	A3N00139	155,62	AGA095	A2N00145	143,75
150	AGA101	A2N00140	162,50	AGA176	A3N00140	172,50	AGA096	A2N00146	162,12
200	AGA102	A2N00141	407,50	AGA177	A3N00141	431,37	AGA097	A2N00147	401,87
250	AGA103	A2N00142	938,75	AGA178	A3N00142	969,50	AGA098	A2N00148	946,25
300	AGA104	A2N00143	1.241,25	AGA179	A3N00143	1.348,75	AGA099	A2N00149	1.216,25

BAUER METAL FITTINGS



Discount category D



MAX WORKING PRESSURE

Ø mm	Tube mm	Bar
76	80	20
89	80	20
108	100	15
133	120	12
159	150	12
194	200	12

APPLICATION

- For mobile systems, for agriculture and shipbuilding

SPECIFICS

- Made of steel
- Protection with high thickness hot-dip galvanisation
- Hydraulic seal by rubber o-ring

FEATURES

- Simple creation of pressurized hydraulic systems
- Removable and easily transportable
- Excellent hydraulic seal and pressure resistance
- Complete range of shapes and diameters

MATERIALS

- Body and closures in galvanized steel

COMPLETE COUPLING BLACK



BLACK BALL



BLACK RING



FEMALE COUPLING BLACK



RUBBER GASKET



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
50	BAU00001	BAU00001	14,37	BAU00008	BAU00008	2,17	BAU00015	BAU00015	9,09	BAU00022	BAU00022	3,11	GUA00057	GUA00057	0,66
76	BAU00002	BAU00002	21,89	BAU00009	BAU00009	2,50	BAU00016	BAU00016	15,26	BAU00023	BAU00023	4,14	GUA00058	GUA00058	1,84
89	BAU00003	BAU00003	36,45	BAU00010	BAU00010	4,37	BAU00017	BAU00017	24,56	BAU00024	BAU00024	7,52	GUA00059	GUA00059	3,29
108	BAU00004	BAU00004	41,44	BAU00011	BAU00011	6,84	BAU00018	BAU00018	25,14	BAU00025	BAU00025	9,46	GUA00060	GUA00060	3,42
133	BAU00005	BAU00005	64,91	BAU00012	BAU00012	9,01	BAU00019	BAU00019	38,36	BAU00026	BAU00026	17,54	GUA00061	GUA00061	6,40
159	BAU00006	BAU00006	77,91	BAU00013	BAU00013	10,35	BAU00020	BAU00020	47,67	BAU00027	BAU00027	19,89	GUA00062	GUA00062	6,81
194	BAU00007	BAU00007	162,20	BAU00014	BAU00014	21,40	BAU00021	BAU00021	102,74	BAU00028	BAU00028	38,06	GUA00063	GUA00063	14,44

Increase price 60% for galvanisation of black couplings

90° ELBOW



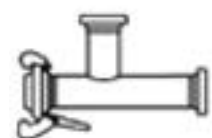
45° ELBOW



IN-LINE TEE MALE



IN-LINE TEE FEMALE



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
50	BAU00029	BAU00029	37,89	BAU00036	BAU00036	39,12	BAU00043	BAU00043	67,75	BAU00050	BAU00050	56,50
76	BAU00030	BAU00030	53,95	BAU00037	BAU00037	54,62	BAU00044	BAU00044	105,00	BAU00051	BAU00051	85,00
89	BAU00031	BAU00031	73,27	BAU00038	BAU00038	73,27	BAU00045	BAU00045	147,00	BAU00052	BAU00052	115,75
108	BAU00032	BAU00032	93,45	BAU00039	BAU00039	93,45	BAU00046	BAU00046	174,62	BAU00053	BAU00053	136,25
133	BAU00033	BAU00033	135,75	BAU00040	BAU00040	135,75	BAU00047	BAU00047	246,87	BAU00054	BAU00054	195,87
159	BAU00034	BAU00034	178,50	BAU00041	BAU00041	178,50	BAU00048	BAU00048	303,75	BAU00055	BAU00055	243,25
194	BAU00035	BAU00035	331,25	BAU00042	BAU00042	287,50	BAU00049	BAU00049	572,50	BAU00056	BAU00056	461,25

FEMALE CAP



MALE CAP

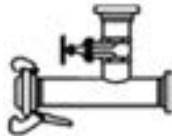


SWAN-NECK FOR MOTORPUMP DELIVERY



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
50	BAU00078	BAU00078	7,21	BAU00085	BAU00085	18,75	BAU00064	BAU00064	162,12
76	BAU00079	BAU00079	8,35	BAU00086	BAU00086	29,25	BAU00065	BAU00065	245,00
89	BAU00080	BAU00080	12,94	BAU00087	BAU00087	44,25	BAU00066	BAU00066	282,50
108	BAU00081	BAU00081	16,37	BAU00088	BAU00088	50,75	BAU00067	BAU00067	402,50
133	BAU00082	BAU00082	27,12	BAU00089	BAU00089	72,00	BAU00068	BAU00068	508,75
159	BAU00083	BAU00083	38,31	BAU00090	BAU00090	91,25	BAU00069	BAU00069	652,50
194	BAU00084	BAU00084	61,87	BAU00091	BAU00091	168,75	BAU00070	BAU00070	1.110,00

IN-LINE T W/VALVE



VERTICAL OFF-TAKE WITH MALE THREAD



Ø mm	Code	Mod.	€
108 x 3" x 76F	BAU3F074	BAU3F074	307,50
108 x 4" x 108F	BAU4F074	BAU4F074	388,75
133 x 3" x 76F	BAU3F230	BAU3F230	341,25
133 x 4" x 108F	BAU4F230	BAU4F230	422,50
133 x 5" x 133F	BAU5F230	BAU5F230	700,00
159 x 3" x 76F	BAU3F076	BAU3F076	390,00
159 x 4" x 108F	BAU4F076	BAU4F076	471,25
159 x 5" x 133F	BAU5F076	BAU5F076	740,00

Ø mm	Code	Mod.	€
50 x 2"	BAU00071	BAU00071	56,50
76 x 3"	BAU00072	BAU00072	85,00
89 x 3"	BAU00073	BAU00073	107,50
108 x 4"	BAU00074	BAU00074	128,75
133 x 4"	BAU00230	BAU00230	163,12
133 x 5"	BAU00075	BAU00075	171,00
159 x 4"	BAU00443	BAU00443	211,25
159 x 5"	BAU00076	BAU00076	211,25
194 x 4"	BAU00207	BAU00207	391,25
194 x 5"	BAU00077	BAU00077	391,25

MALE COUPLING WITH HOSE-TAIL



FEMALE COUPLING WITH HOSE-TAIL



MALE COUPLING WITH P.E. TTING TAIL



FEMALE COUPLING WITH P.E. TTING TAIL



Ø mm	Code	Mod.	€	Code	Mod.	€
50 x 50	BAU00092	BAU00092	19,00	BAU00102	BAU00102	8,89
76 x 60	BAU00093	BAU00093	31,75	BAU00103	BAU00103	13,00
76 x 70	BAU00229	BAU00229	34,12	BAU00243	BAU00243	17,12
76 x 76*	BAU00094	BAU00094	31,25	BAU00104	BAU00104	12,87
89 x 76*	BAU00095	BAU00095	46,25	BAU00105	BAU00105	16,87
89 x 80	BAU00096	BAU00096	47,00	BAU00106	BAU00106	17,50
108 x 100	BAU00097	BAU00097	56,75	BAU00107	BAU00107	24,87
108 x 102*	BAU00098	BAU00098	57,81	BAU00108	BAU00108	26,00
133 x 120	BAU00099	BAU00099	80,62	BAU00109	BAU00109	37,94
133 x 125*	BAU00408	BAU00408	81,56	BAU00409	BAU00409	40,62
159 x 150*	BAU00100	BAU00100	102,06	BAU00110	BAU00110	44,19
194 x 200	BAU00101	BAU00101	199,62	BAU00111	BAU00111	86,56

Ø mm	Code	Mod.	€	Code	Mod.	€
75 x 76	BAU00225	BAU00225	37,62	BAU00226	BAU00226	20,31
75 x 89	BAU00410	BAU00410	50,62	BAU00418	BAU00418	23,06
75 x 108	BAU00411	BAU00411	56,25	BAU00419	BAU00419	27,19
90 x 89	BAU00412	BAU00412	54,00	BAU00420	BAU00420	26,50
90 x 108	BAU00413	BAU00413	57,75	BAU00421	BAU00421	28,75
90 x 133	BAU00414	BAU00414	77,37	BAU00422	BAU00422	37,37
110 x 108	BAU00415	BAU00415	63,43	BAU00423	BAU00423	34,37
110 x 133	BAU00416	BAU00416	82,87	BAU00424	BAU00424	42,81
125 x 133	BAU00417	BAU00417	87,75	BAU00425	BAU00425	47,69

*Compatible with layfat

BAUER METAL FITTINGS

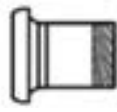


Discount category D

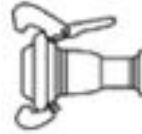
THREADED FITTING WITH MALE COUPLING



THREADED FITTING WITH FEMALE COUPLING



REDUCTION



DIAMETRE INCREASE



Ø mm	Code	Mod.	€	Code	Mod.	€
50 x 1½"	BAU00231	BAU00231	23,62	BAU00237	BAU00237	13,62
50 x 2"	BAU00126	BAU00126	25,25	BAU00133	BAU00133	15,00
76 x 1½"	BAU00232	BAU00232	56,75	BAU00238	BAU00238	34,37
76 x 2"	BAU00233	BAU00233	44,75	BAU00239	BAU00239	25,62
76 x 2½"	BAU00234	BAU00234	37,25	BAU00240	BAU00240	18,62
76 x 3"	BAU00127	BAU00127	37,94	BAU00134	BAU00134	19,50
89 x 2½"	BAU00235	BAU00235	59,50	BAU00241	BAU00241	30,37
89 x 3"	BAU00128	BAU00128	52,62	BAU00135	BAU00135	23,50
108 x 3"	BAU00236	BAU00236	70,75	BAU00242	BAU00242	39,37
108 x 4"	BAU00129	BAU00129	62,87	BAU00136	BAU00136	31,87
133 x 5"	BAU00130	BAU00130	94,00	BAU00137	BAU00137	50,56
159 x 5"	BAU00433	BAU00433	122,50	BAU00434	BAU00434	65,00
159 x 6"	BAU00131	BAU00131	122,50	BAU00138	BAU00138	65,00
194 x 8"	BAU00132	BAU00132	242,00	BAU00139	BAU00139	132,50

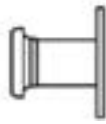
Ø mm	Code	Mod.	€
76-50	BAU00119	BAU00119	56,25
89-76	BAU00120	BAU00120	75,00
108-89	BAU00121	BAU00121	87,50
133-108	BAU00122	BAU00122	107,50
159-108	BAU00123	BAU00123	140,00
159-133	BAU00124	BAU00124	160,00
194-159	BAU00125	BAU00125	286,25

Ø mm	Code	Mod.	€
50-76	BAU00112	BAU00112	48,75
76-89	BAU00113	BAU00113	65,00
89-108	BAU00114	BAU00114	86,25
108-133	BAU00115	BAU00115	100,00
108-159	BAU00116	BAU00116	116,25
133-159	BAU00117	BAU00117	140,00
159-194	BAU00118	BAU00118	215,00

MALE COUPLING WITH FLANGE



FEMALE COUPLING WITH FLANGE



M COUPLING WITH FLANGE AND OUTLET



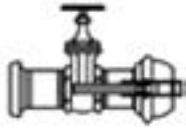
F COUPLING WITH FLANGE AND OUTLET



Ø mm	Code	Mod.	€	Code	Mod.	€
DN40 x 50	BAU00140	BAU00140	49,87	BAU00147	BAU00147	39,00
DN65 x 76	BAU00141	BAU00141	70,94	BAU00148	BAU00148	50,94
DN80 x 89	BAU00142	BAU00142	88,75	BAU00149	BAU00149	58,12
DN100 x 108	BAU00143	BAU00143	101,25	BAU00150	BAU00150	65,81
DN100 x 133	BAU00227	BAU00227	135,00	BAU00228	BAU00228	88,25
DN125 x 133	BAU00144	BAU00144	142,50	BAU00151	BAU00151	95,00
DN100 x 159				BAU00220	BAU00220	110,00
DN125 x 159	BAU00426	BAU00426	177,50	BAU00244	BAU00244	126,25
DN150 x 159	BAU00145	BAU00145	186,25	BAU00152	BAU00152	120,00
DN150 x 194				BAU00435	BAU00435	174,81
DN200 x 194	BAU00146	BAU00146	348,75	BAU00153	BAU00153	222,50
DN250 x 250	BAU00427	BAU00427	633,75	BAU00429	BAU00429	371,25
DN300 x 300	BAU00428	BAU00428	776,25	BAU00430	BAU00430	468,75

Ø mm	Code	Mod.	€	Code	Mod.	€
DN100 x 159	BAU00442	BAU00442	171,87	BAU00441	BAU00441	135,62
DN100 x 194				BAU00432	BAU00432	247,92

IN-LINE GATEVALVE WITH COUPLINGS



Ø	Code	Mod.	€
50 x 2" x 50	BAU00154	BAU00154	156,25
76 x 3" x 76	BAU00155	BAU00155	216,25
89 x 3" x 89	BAU00156	BAU00156	235,00
108 x 4" x 108	BAU00157	BAU00157	323,75
133 x 5" x 133	BAU00158	BAU00158	622,50
159 x 6" x 159	BAU00159	BAU00159	911,25

DELIVERY GATE-VALVE FOR PUMPS



Ø	Code	Mod.	€
65 x 2" x 76F	BAU00399	BAU00399	192,50
80 x 3" x 76F	BAU00400	BAU00400	248,75
80 x 3" x 89F	BAU00401	BAU00401	253,12
80 x 3" x 108F	BAU00402	BAU00402	268,75
100 x 4" x 108F	BAU00403	BAU00403	340,00
100 x 4" x 133F	BAU00404	BAU00404	358,75
125 x 5" x 133F	BAU00405	BAU00405	618,75
125 x 5" x 159F	BAU00406	BAU00406	633,75
150 x 5" x 194F	BAU00407	BAU00407	712,50

FOOTVALVE WITH MALE COUPLING



Ø mm	Code	Mod.	€	Code	Mod.	€
50	BAU00160	BAU00160	92,75	BAU00167	BAU00167	82,50
76	BAU00161	BAU00161	115,00	BAU00168	BAU00168	96,25
89	BAU00162	BAU00162	130,37	BAU00169	BAU00169	101,12
108	BAU00163	BAU00163	149,50	BAU00170	BAU00170	117,50
133	BAU00164	BAU00164	207,12	BAU00171	BAU00171	163,75
159	BAU00165	BAU00165	256,25	BAU00172	BAU00172	198,75
194	BAU00166	BAU00166	622,50	BAU00173	BAU00173	510,00

FOOT-VALVE WITH FEMALE COUPLING



HYDRAULIC METAL FITTINGS



Discount category D



MAX WORKING PRESSURE

Tube mm	Bar
80	9
100	7
120	6

APPLICATION

- For mobile systems, for agriculture and shipbuilding
- The hydraulic fitting is perhaps the oldest type and is used less and less nowadays
- Its presence in the market is limited to the replacement of pipes in old systems

SPECIFICS

- Made of steel
- Protection with high thickness hot-dip galvanisation
- Hydraulic seal by rubber o-ring

MATERIALS

- Body and closures in galvanized steel

FEMALE COUPLING BLACK



MALE COUPLING BLACK



RUBBER GASKET



REDUCTION



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Ø mm	Code	Mod.	€
60							GUA00012	GUA00012	2,05	100-80	BIC00091	BIC00091	43,27
80	BIC00002	BIC00002	12,71	BIC00113	BIC00113	11,24	GUA00013	GUA00013	2,05	120-100	BIC00092	BIC00092	52,60
100	BIC00003	BIC00003	14,29	BIC00114	BIC00114	12,66	GUA00014	GUA00014	2,22				
120	BIC00004	BIC00004	17,47	BIC00082	BIC00082	15,55	GUA00015	GUA00015	3,42				

Increase price 60% for galvanisation of black couplings

90° ELBOW



IN-LINE TEE



END-OF-LINE T



CROSSING WITH COUPLINGS ON EXITS



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
80	BIC00012	BIC00012	66,85	BIC00022	BIC00022	111,44	BIC00027	BIC00027	128,54	BIC00088	BIC00088	157,84
100	BIC00013	BIC00013	86,55	BIC00023	BIC00023	142,12	BIC00028	BIC00028	161,50	BIC00006	BIC00006	200,24
120	BIC00014	BIC00014	116,91	BIC00024	BIC00024	175,67	BIC00029	BIC00029	224,79	BIC00089	BIC00089	290,67

SWAN-NECK FOR MOTORPUMP DELIVERY



FEMALE OFF-TAKE WELDED TO A PIPE



MALE CAP FOR VERTICAL OFF-TAKE



MALE END-OF-LINE PLUG



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
80	BIC00032	BIC00032	187,32	BIC00043	BIC00043	48,71	BIC00049	BIC00049	29,70	BIC00052	BIC00052	28,42
100	BIC00033	BIC00033	242,24	BIC00044	BIC00044	57,41	BIC00050	BIC00050	34,09	BIC00053	BIC00053	33,42
120	BIC00034	BIC00034	310,06							BIC00054	BIC00054	36,84

MALE COUPLING WITH HOSE-TAIL



FEMALE COUPLING WITH HOSE-TAIL



THREADED FITTING WITH M COUPLING



THREADED FITTING WITH F COUPLING

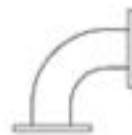


Ø mm	Code	Mod.	€	Code	Mod.	€	Ø mm	Code	Mod.	€	Code	Mod.	€
80	BIC00009	BIC00009	24,55	BIC00010	BIC00010	27,15	80 x 3"	BIC00062	BIC00062	34,16	BIC00057	BIC00057	36,40
100	BIC00007	BIC00007	26,49	BIC00008	BIC00008	31,02	100 x 4"	BIC00063	BIC00063	51,04	BIC00058	BIC00058	51,67
120	BIC00084	BIC00084	32,30	BIC00085	BIC00085	40,05	120 x 4"	BIC00064	BIC00064	66,85	BIC00059	BIC00059	75,89

BLACK ANGE PN 10



90° ELBOW FLANGED, GALVANISED EN 1092-1 PN10



Ø mm	Code	Mod.	€	Code	Mod.	€
40	ACX00624	ACX00624	14,61			
50	ACX00625	ACX00625	18,70			
65	ACX00626	ACX00626	24,15	ACX00411	ACX00411	126,25
80	ACX00627	ACX00627	26,37	ACX00412	ACX00412	147,50
100	ACX00628	ACX00628	31,69	ACX00413	ACX00413	185,00
125	ACX00629	ACX00629	38,22	ACX00414	ACX00414	230,00
150	ACX00630	ACX00630	50,69	ACX00415	ACX00415	283,75
200	ACX00632	ACX00632	99,62	ACX00417	ACX00417	625,00
250	ACX00633	ACX00633	150,00	ACX00418	ACX00418	856,25
300	ACX00634	ACX00634	165,00	ACX00419	ACX00419	1.105,00

BOLTS FOR FLANGES (SCREW AND NUT)



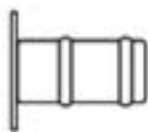
FLANGE EN 1092-1 PN 10 WITH THREAD



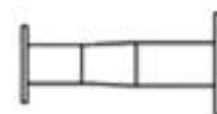
Ø mm	Code	Mod.	€
M 16 x 60	BTE16X60	BTE16X60	3,74
M 18 x 80	BTE18X80	BTE18X80	4,99
M 20 x 80	BTE20X80	BTE20X80	5,49

Ø mm	Code	Mod.	€
50 x 2"	ACX00635	ACX00635	49,16
50 x 2 1/2"	ACX00636	ACX00636	52,42
65 x 2"	ACX00637	ACX00637	56,54
65 x 2 1/2"	ACX00638	ACX00638	58,29
65 x 3"	ACX00639	ACX00639	78,57
80 x 2 1/2"	ACX00640	ACX00640	79,49
80 x 3"	ACX00641	ACX00641	79,62
80 x 4"	ACX00643	ACX00643	85,11
80 x 5"	ACX01134	ACX01134	87,86
100 x 3"	ACX00644	ACX00644	86,80
100 x 4"	ACX00645	ACX00645	89,19
125 x 4"	ACX00646	ACX00646	99,82
125 x 5"	ACX00647	ACX00647	103,04
150 x 5"	ACX01005	ACX01005	115,52

FLANGE EN 1092-1 PN 10 WITH HOSE-TAIL



REDUCTION WITH FLANGES, GALVANISED EN 1092-1 PN10



Ø mm	Code	Mod.	€
DN80 x 80	ACX02047	ACX02047	37,94
DN100 x 100	ACX02048	ACX02048	47,29
DN125 x 120	ACX02065	ACX02065	68,14
DN150 x 150	ACX02049	ACX02049	75,77
DN200 x 200	ACX02008	ACX02008	123,67
DN250 x 250	ACX02009	ACX02009	165,85
DN300 x 300	ACX02036	ACX02036	212,91

Ø mm	Code	Mod.	€
80-65	ACX00445	ACX00445	225,00
100-80	ACX00446	ACX00446	277,50
125-100	ACX01041	ACX01041	353,75
150-125	ACX00448	ACX00448	418,75
200-150	ACX01042	ACX01042	451,25
250-200	ACX01043	ACX01043	577,50

GENERIC ACCESSORIES

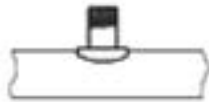


Discount category D

BLACK THREADED FEMALE SLEEVE



M THREADED OFF-TAKE WELDED TO A PIPE



BLACK THREAD PIPE, CM 15



BLACK THREAD PIPE, CM 7



Ø	Code	Mod.	€	Code	Mod.	€
¾"	ACX00708	ACX00708	1,86	S2F00175	S2F00175	25,44
1"	ACX00709	ACX00709	2,79	S2F00176	S2F00176	25,44
1¼"	ACX00710	ACX00710	3,95	S2F00177	S2F00177	26,50
1½"	ACX00711	ACX00711	4,86	S2F00178	S2F00178	27,10
2"	ACX00712	ACX00712	6,95	S2F00179	S2F00179	39,75
2½"	ACX00713	ACX00713	10,39			
3"	ACX00714	ACX00714	13,87	S2F00180	S2F00180	54,35
4"	ACX00716	ACX00716	25,44	S2F00181	S2F00181	58,00
5"	ACX00717	ACX00717	67,00			
6"	ACX00718	ACX00718	77,12			

Ø	Code	Mod.	€	Code	Mod.	€
¾" x 3mm	ACX01879	ACX01879	1,85			
1" x 3mm	ACX00659	ACX00659	2,30	ACX00649	ACX00649	1,64
1¼" x 3,7mm	ACX00660	ACX00660	3,04	ACX00650	ACX00650	1,94
1½" x 3,7mm	ACX00661	ACX00661	3,46	ACX00651	ACX00651	2,21
2" x 3,7mm	ACX00662	ACX00662	4,67	ACX00652	ACX00652	2,67
2½" x 3,7mm	ACX00663	ACX00663	5,39	ACX00653	ACX00653	3,34
3" x 3,7mm	ACX00664	ACX00664	6,51	ACX00654	ACX00654	4,07
4" x 5mm	ACX00666	ACX00666	9,85			
5" x 5mm	ACX00667	ACX00667	12,27			
6" x 5mm	ACX00668	ACX00668	17,46			

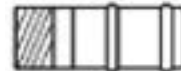
BLACK THREAD PIPE, CM 15 M/M



DOUBLE HOSE-TAIL COUPLER GALVANISED



THREADED HOSE-TAIL COUPLER GALVANISED



HEAVY DUTY FLAT CLAMP



Ø mm	Code	Mod.	€
¾" x 3	ACX01494	ACX01494	3,31
1" x 3	ACX01698	ACX01698	3,87
1¼" x 3,3	ACX01216	ACX01216	5,44
1½" x 3,3	ACX01694	ACX01694	6,19
2" x 3,3	ACX01209	ACX01209	7,19
2½" x 3,7	ACX01588	ACX01588	8,87
3" x 3,7	ACX01526	ACX01526	10,56
4" x 3,7	ACX01436	ACX01436	15,75
5" x 4	ACX01210	ACX01210	19,25
6" x 4	ACX01211	ACX01211	26,69

Ø	Code	Mod.	€
60 x 60	ACX00728	ACX00728	11,02
76 x 76*	ACX76729	ACX76729	11,51
80 x 80	ACX00729	ACX00729	13,94
100 x 100	ACX00730	ACX00730	16,37
102 x 102*	ACX02730	ACX02730	16,37
120 x 120	ACX00731	ACX00731	21,40
125 x 125*	ACX25731	ACX25731	21,40
150 x 150*	ACX00732	ACX00732	29,49

*Compatible with layflat

Ø	Code	Mod.	€
60 x 2"	ACX01459	ACX01459	15,45
80 x 3"	ACX01150	ACX01150	19,35
100 x 4"	ACX01151	ACX01151	28,86

Ø mm	Flat	Code	Mod.	€
38÷41		ACX00818	ACX00818	2,27
40÷43		ACX01617	ACX01617	3,42
52÷55	2"	FFT310		2,12
56÷59	2"SF-55	FFT312		2,20
60÷63		ACX00605	ACX00605	3,55
64÷67	2½"	FFT311	ACX00606	3,66
68÷73		ACX00607	ACX00607	3,94
74÷79	3"	FFT314	ACX00608	4,06
79÷85	3"SF-55	FFT315		3,05
80÷85		ACX00609	ACX00609	4,12
86÷91		ACX00610	ACX00610	4,25
92÷97		ACX00821	ACX00821	4,44
98÷103		ACX00611	ACX00611	4,44
104÷112	4"	FFT320	ACX00612	4,87
113÷121		ACX00613	ACX00613	4,87
122÷130	5"	FFT323	ACX00614	4,94
131÷140	5"SF-55	FFT322		4,31
131÷139		ACX00615	ACX00615	6,37
140÷148		ACX00616	ACX00616	6,69
149÷161	6"	FFT324	ACX00617	6,91
162÷174	6"SF-55	FFT326		5,56
162÷174		ACX00618	ACX00618	8,07
201÷213		ACX00621	ACX00621	8,89
205÷220		ACX00822	ACX00822	9,47
214÷226		ACX00622	ACX00622	9,76
227÷239		ACX00623	ACX00623	11,37
240÷252		ACX01330	ACX01330	13,00
254÷270		ACX00949	ACX00949	21,75
350÷370		ACX01661	ACX01661	30,50

WIRE HOSE-CLAMP



W2 9 MM SCREW HOSE CLAMPS - STAINLESS S.



Ø mm	Flat	Code	Mod.	€
50,5÷56,0	2"	FFT406	ACX01619	1,18
53÷60	2"SF-55	FFT411		1,38
60÷68	2½"	FFT401	ACX01620	3,19
76,5÷84,0	3"	FFT402	ACX01410	3,46
98÷108	4"	FFT403	ACX01411	4,31
109÷116	4"SF-55	FFT414		8,48
124÷132	5"	FFT404	ACX01621	6,11
125÷140	5"SF-55	FFT415		8,70
145÷160	6"	FFT405		10,37
155÷170	6"SF-55	FFT416		9,33

Ø mm	Code	€
16 ÷ 27	FFT160	1,19
25 ÷ 40	FFT161	1,27
40 ÷ 60	FFT162	1,43

SMALL ALUMINUM HYDRANT WITH GALVANISED STABILIZER



SMALL ALUMINUM HYDRANT WITH STABILIZER AND AUTOMATIC STOPVALVE



GALVANISED BASE FOR SMALL HYDRANT



Ø mm	Code	Mod.	€	Code	Mod.	€	Code	Mod.	€
60	ACX00001	ACX00001	29,56	ACX00005	ACX00005	33,75	ACX00009	ACX00009	11,00
80	ACX00002	ACX00002	29,56	ACX00006	ACX00006	33,75	ACX00010	ACX00010	11,00
100	ACX00003	ACX00003	29,56	ACX00007	ACX00007	33,75	ACX00011	ACX00011	11,75

ALUMINIUM THREADED SMALL HYDRANT



ALUMINIUM THREADED SMALL HYDRANT WITH STOPVALVE



PLUG FOR SMALL HYDRANT

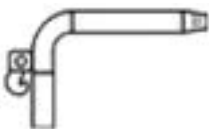


GALVANISED RISER 1" FOR SMALL HYDRANT, CONNECTION 1"M



Ø mm	Code	Mod.	€	Code	Mod.	€	Ø	Code	Mod.	€	Ø mm	Code	Mod.	€
30 x 1"F	ACX00013	ACX00013	10,06	ACX00014	ACX00014	14,75	1"	ACX00015	ACX00015	5,62	30	ACX00016	ACX00016	10,72
											50	ACX00017	ACX00017	12,15
											70	ACX00018	ACX00018	13,57
											100	ACX00019	ACX00019	16,81
											150	ACX00020	ACX00020	21,85
											200	ACX00021	ACX00021	26,09

GALVANISED 90° RISER FOR HOSE



ALUMINIUM SADDLE



Ø mm	Code	Mod.	€	Ø mm	Code	Mod.	€
25	ACX00022	ACX00022	13,37	60 x 1"F	ACX00024	ACX00024	21,25
				80 x 1"F	ACX00025	ACX00025	22,50
				100 x 1"F	ACX00026	ACX00026	24,94

LAYFLAT FITTINGS

Discount category D

F EDGE-BANDED SPHERICAL SLEEVE



M EDGE-BANDED SPHERICAL SLEEVE



GALVANIZED TEE HOSE FOR FLANGE AND HOSE



END LINE SADDLE



Ø	Code	Mod.	€	Code	Mod.	€
2" - 50 x 60mm	ACN037	S2F00711	13,45	ACN007	S2F00710	8.81
3" - 76 x 80mm	ACN039	S2F76532	19.01	ACN009	S2F76534	13.09
4" - 104 x 100mm	ACN040	S2F02207	22.70	ACN010	S2F02202	17.27
5" - 125 x 120mm	ACN220	S2F25207	30.48	ACN210	S2F25202	24.30
6" - 150 x 150mm	ACN114	S2F00209	44.10	ACN185	S2F00204	47.36

Ø	Code	Mod.	€
4" x DN100 x 4"	ATE119	ACXPG302	59.65

Ø	Code	€
2" ÷ 4"	FPF050	30,50
4" ÷ 6"	FPF051	33,50

Classe di sconto A

LAYFLAT BLULINE FITTINGS



APPLICATION

- Mobile systems, agriculture

SPECIFICS

- Maximum working pressure: 10 bar
- Polypropylene made

FEATURES

- Simple realization of hydraulic installations under pression
- Light and easy trasportable
- Excellent hydraulic seal and pressure resistance
- Layflat blocking system through multiple sawtooth rings
- Full range of shapes and diameters
- Need of clamp and two-wire connection for a correct installation

MATERIALS

- Polypropylene

BLUE PE HOSE ADAPTOR COUPLING



BLUE PE MALE HOSE ADAPTOR SLEEVE



BLUE PE REDUCED SLEEVE



BLUE PE END LINE PLUG



Ø	Code	€
2" - 53 mm	RGL200	3,71
2½" - 63 mm	RGL201	4,59
3" - 75 mm	RGL202	7,17
4" - 104 mm	RGL203	12,09
5" - 127 mm	RGL204	22,90
6" - 156 mm	RGL205	28,94

Ø flat	Ø fil.	Code	€
2"	2"	RGL215	4,14
2½"	2½"	RGL218	4,99
2½"	3"	RGL219	5,94
2½"	4"	RGL220	7,53
3"	2"	RGL221	5,64
3"	2½"	RGL222	6,34
3"	3"	RGL223	6,38
3"	4"	RGL224	8,19
4"	3"	RGL227	9,80
4"	4"	RGL228	9,33
5"	4"	RGL229	16,86
5"	5"	RGL230	18,55
6"	5"	RGL231	23,32
6"	6"	RGL232	23,54

Ø	Code	€
2" x 2½"	RGL206	5,20
2" x 3"	RGL207	5,75
2" x 4"	RGL208	9,97
2½" x 3"	RGL209	6,72
2½" x 4"	RGL210	10,18
3" x 4"	RGL211	10,92
4" x 5"	RGL212	19,61
4" x 6"	RGL213	25,02
5" x 6"	RGL214	28,94

Ø	Code	€
2"	RGL235	3,71
2½"	RGL236	4,46
3"	RGL237	6,05
4"	RGL238	10,39
5"	RGL239	15,77
6"	RGL240	21,63

FLANGES

PN16 FEMALE THREADED FLANGE*



Ø	Code	PN	€
DN50 x 2"	FFA161	16	36,59
DN65 x 2 1/2"	FFA162	16	40,23
DN80 x 3"	FFA812	16	59,08
DN100 x 4"	FFA813	16	69,75
DN125 x 5"	FFA143	16	106,71
DN150 x 6"	FFA144	16	266,20

*PN16, PN6 welding flange and bolts available on request

FLANGES RUBBER SEALS



Ø	Code	€
DN40		
DN50		
DN65	RGN150	2,36
DN80	RGN110	4,53
DN100	RGN112	4,66
DN125	RGN113	4,72
DN150	RGN114	6,18
DN200	RGN301	11,31

FLANGES FIBER SEALS

Code	€
RGN400	3,68
RGN401	5,28
RGN402	10,55
RGN403	11,93
RGN404	14,69
RGN406	23,85
RGN408	34,40

GALVANIZED SCREWS KIT + Ø 16 BOLTS



Ø	Code	Box	€
16 x 70	KVB002	8 + 8	24,25
16 x 90	KVB003	8 + 8	29,89
16 x 120	KVB004	8 + 8	41,68

ADHESIVES AND DETERGENTS FOR PVC CEMENTED FITTINGS

Code	Description	Box	€/ea.
MCL010	Adhesive for PVC with brush ml 250	10	23,87
MCL011	Adhesive for PVC with brush ml 500	10	36,85
MCL002	Adhesive for PVC with brush ml 965	10	60,50
MCL025	Sealing adhesive TANGIT for hoses and PVC ml 500	12	62,30
MDT001	Detergent for PVC ml 1.000	10	38,00

ADHESIVE SEALS AND ACCESSORIES FOR HOSE ASSEMBLING

Code	Description	Box	€/ea.
MTF001	Teflon tape for threads m 12 x 1/2" height	10	0,74
MTF002	Teflon tape for threads m 15 x 3/4" height	10	2,93
MTF003	Silicone tape for threads m 15 x 14 mm	10	9,76
MTF050	Loctite 55 teflon sealant for threads m 160	10	45,48
MSV005	Scivolina jar ml 1000	10	16,35



DETERGENTE PER PE/PP/PB/PVDF

Code	Description	Box	€/ea.
MDT002	Detergent for PE/PP/PB/PVDF ml 1.000	12	52,00

EQUIPMENT






Discount category A

LAYFLAT TOOLS

Code	Description	€
 OAF300	Driller for Layflat PUNLF 14 orange	Ø 14 109,40
 OAF301	Driller for Layflat PUNLF 19 blue	Ø 19 136,90
 OAF250	PG-HP B400 driller green for PE	Ø 6 24,88
 OAF310	LFDRS Layflat quick coupling black key	Ø 7 56,63
 OAF312	LFDRS Layflat quick coupling black key	Ø 10 56,63
 OAF314*	Exagonal driver key Angle	Ø 13 17,40
 OAF311*	Exagonal driver key Tee	Ø 3/8" 32,80

*While stocks last

TOOLS FOR PE AND FOR COMPRESSION FITTINGS

Code	Description	€
 RVR007	Chamfering tool for PE pipe Ø 20/63	84,26
 RVR009	Chamfering tool for PE pipe Ø 40/250	247,75
 RVR016	Fixed wrench 7790/16	Ø 16/40 15,85
 RVR005	Fixed wrench 7790/40	Ø 40/75 73,07
 RVR017	Fixed wrench 7790/63	Ø 63/125 102,37

DRILLER, CUTTER AND INSERTION COUPLINGS FOR PIPES

Code	Description	€
 OAF220*	Quick-Drill driller S 7,5	Ø hole mm 7,5 92,40
 OAF221*	Quick-Drill driller S 11	Ø hole mm 11,0 104,00
 OAF030*	Driller for clamp saddle	Convec. 1/2" e 3/4" 34,51
 OAF315*	Metalpuncher driller	Ø hole mm 3 10,04
 OAF007	Plastic driller clamp for pipe PE	Ø 16/20 Ø hole mm 3 32,52
 OAF008	Plastic driller clamp for pipe PE	Ø 25/32 Ø hole mm 3 26,46
 OAF002	Driller with residue ejector PE	Ø hole mm 3 18,10
 OAF205	Driller with insertion penetration tool	Ø hole mm 3 17,00
 OAF206	Driller with insertion penetration tool	Ø hole mm 4 18,50
 OAF016*	Combo cutter	Ø mm 40 76,12
 OAF017	Basic cutter	Ø mm 40 43,34
 OAF018	Self-closing ratchet driller	Ø mm 40 103,07
 OAF210	Clamp for insert pipe	Ø mm 5/3 35,90
 OAF211	Clamp for insert pipe	Ø mm 7/4 35,90

*While stocks last



NOTE



PIPING

GALV. S. PIPES (FERRARI FITT. 2 AND 3 HOOKS)



Discount category D



APPLICATION

- Mobile pipes for agriculture

SPECIFICS

- Tolerances on diameters: up to 80 mm +/- 5% - up to 150 mm +/- 3%
- Length tolerances: +/- 1%
- Thickness tolerances: up to 100 mm +/- 0.07 mm - up to 150 mm +/- 0.10 mm

Tube mm		60	80	100	120	150
2 hooks	Raw tube thickness mm	0,7	0,7	0,8	0,9	1,0
	Galvanized weight Kg (6 m bar)	8,4	11,2	15,8	20,9	29,2
	Maximum connection deviation +/- °	14	14	14	13	11
	Maximum working pressure bar	10	9	8	7	6

Tube mm		60	80	100	120	150
3 hooks	Raw tube thickness mm	0,7	0,7	0,8	0,9	1,0
	Galvanized weight Kg (6 m bar)	8,5	11,3	15,9	21,0	29,4
	Maximum connection deviation +/- °	14	14	14	13	11
	Maximum working pressure bar	11	10	9	8	7

NUMBER OF TUBES PER SHIPMENT

Tube mm		60	80	100	120	150
1 pack	N° tubes	98	66	45	28	18
1 truck (13,6 x 2,44 x H2,6m)	N° packages	16	16	16	16	16
	N° tubes	1.568	1.056	720	448	288
1 40' container length hose max 5,8 m	N° tubes (bulk)	-	-	700	512	320
	N° tubes (metal cages)	1.296	874	600	406	276
1 20' container length hose max 5,7m	N° tubes (bulk)	-	-	350	256	160
	N° tubes (metal cages)	648	437	300	203	138
1 40' container HIGH CUBE length hose max 5,8 m	N° tubes (metal cages)	1.440	950	672	434	300

DIMENSIONS

Ø	A x B x C (m)	Kg
60	6,20 x 1,16 x 0,62	825
80	6,20 x 1,16 x 0,65	748
100	6,20 x 1,16 x 0,65	715
120	6,20 x 1,16 x 0,60	593
150	6,20 x 1,16 x 0,55	540



2 HOOKS

3 HOOKS

Ø	Code	Mod.	Bar m	€/bar	Code	Mod.	Bar m	€/bar
60	TSF202	S2F60002	6,0	95,00	TSF336	S3F60002	6,0	REQ.
80	TSF051	S2F60003	6,0	117,00	TSF337	S3F60003	6,0	REQ.
100	TSF204	S2F60004	6,0	154,00	TSF338	S3F60004	6,0	REQ.
120	TSF007	S2F60005	6,0	199,00	TSF339	S3F60005	6,0	205,00
150	TSF054	S2F60006	6,0	285,00	TSF340	S3F60006	6,0	298,00
60	TSF581	S2F58002	5,8	95,00	TSF331	S3F58002	5,8	REQ.
80	TSF582	S2F58003	5,8	116,00	TSF332	S3F58003	5,8	REQ.
100	TSF583	S2F58004	5,8	154,00	TSF333	S3F58004	5,8	REQ.
120	TSF584	S2F58005	5,8	198,00	TSF334	S3F58005	5,8	204,00
150	TSF585	S2F58006	5,8	284,00	TSF335	S3F58006	5,8	297,00
60	TSF551	S2F55002	5,5	92,00	TSF326	S3F55002	5,5	REQ.
80	TSF552	S2F55003	5,5	113,00	TSF327	S3F55003	5,5	REQ.
100	TSF553	S2F55004	5,5	150,00	TSF328	S3F55004	5,5	REQ.
120	TSF554	S2F55005	5,5	194,00	TSF329	S3F55005	5,5	199,00
150	TSF555	S2F55006	5,5	277,00	TSF330	S3F55006	5,5	289,00
60	TSF501	S2F50002	5,0	95,00	TSF321	S3F50002	5,0	REQ.
80	TSF502	S2F50003	5,0	117,00	TSF322	S3F50003	5,0	REQ.
100	TSF503	S2F50004	5,0	154,00	TSF323	S3F50004	5,0	REQ.
120	TSF504	S2F50005	5,0	199,00	TSF324	S3F50005	5,0	205,00
150	TSF505	S2F50006	5,0	285,00	TSF325	S3F50006	5,0	298,00
60	TSF401	S2F40002	4,0	95,00	TSF316	S3F40002	4,0	REQ.
80	TSF402	S2F40003	4,0	117,00	TSF317	S3F40003	4,0	REQ.
100	TSF403	S2F40004	4,0	154,00	TSF318	S3F40004	4,0	REQ.
120	TSF404	S2F40005	4,0	199,00	TSF319	S3F40005	4,0	205,00
150	TSF405	S2F40006	4,0	285,00	TSF320	S3F40006	4,0	298,00
60	TSF008	S2F30002	3,0	86,00	TSF311	S3F30002	3,0	REQ.
80	TSF001	S2F30003	3,0	105,00	TSF312	S3F30003	3,0	REQ.
100	TSF002	S2F30004	3,0	139,00	TSF313	S3F30004	3,0	REQ.
120	TSF003	S2F30005	3,0	179,00	TSF314	S3F30005	3,0	184,00
150	TSF005	S2F30006	3,0	257,00	TSF315	S3F30006	3,0	268,00
60	TSF011	S2F20002	2,0	73,00	TSF306	S3F20002	2,0	REQ.
80	TSF012	S2F20003	2,0	89,00	TSF307	S3F20003	2,0	REQ.
100	TSF013	S2F20004	2,0	118,00	TSF308	S3F20004	2,0	REQ.
120	TSF004	S2F20005	2,0	153,00	TSF309	S3F20005	2,0	157,00
150	TSF006	S2F20006	2,0	219,00	TSF310	S3F20006	2,0	228,00
60	TSF015	S2F10002	1,0	55,00	TSF301	S3F10002	1,0	REQ.
80	TSF016	S2F10003	1,0	68,00	TSF302	S3F10003	1,0	REQ.
100	TSF017	S2F10004	1,0	90,00	TSF303	S3F10004	1,0	REQ.
120	TSF018	S2F10005	1,0	116,00	TSF304	S3F10005	1,0	119,00
150	TSF019	S2F10006	1,0	166,00	TSF305	S3F10006	1,0	174,00



APPLICATION

- Mobile pipes for agriculture

SPECIFICS

- Tolerances on diameters: up to 80 mm +/- 5% - up to 150 mm +/- 3%
- Length tolerances: +/- 1%
- Thickness tolerances: up to 100 mm +/- 0.07 mm - up to 150 mm +/- 0.10 mm

Tube mm	60	80	100	120	150
Raw tube thickness mm	0,7	0,7	0,8	0,9	1,0
Galvanized weight Kg (6 m bar)	8,8	11,5	16,4	21,4	30,9
Maximum connection deviation +/- °	14	15	15	10	10
Maximum working pressure bar	15	14	12	11	9

NUMBER OF TUBES PER SHIPMENT

Tube mm		60	80	100	120	150
1 pack	N° tubes	98	66	45	32	18
1 truck (13,6 x 2,44 x H2,6m)	N° packages	16	16	16	16	16
	N° tubes	1.568	1.056	720	448	288
1 40' container	N° tubes (bulk)	-	-	700	512	320
length hose max 5,8 m	N° tubes (metal cages)	1.296	880	596	431	264
1 20' container	N° tubes (bulk)	-	-	350	256	160
length hose max 5,7m	N° tubes (metal cages)	648	440	298	203	132
1 40' container HIGH CUBE	N° tubes	1.440	950	672	459	300
length hose max 5,8 m	(metal cages)					

DIMENSIONS

Ø	A x B x C (m)	Kg
60	6,20 x 1,16 x 0,62	873
80	6,20 x 1,16 x 0,65	766
100	6,20 x 1,16 x 0,65	742
120	6,20 x 1,16 x 0,60	693
150	6,20 x 1,16 x 0,55	563

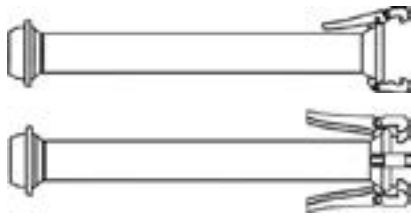


Ø	Code	Mod.	Bar m	€/bar
60	TRF036	ROB60001	6,0	106,00
80	TRF037	ROB60002	6,0	127,00
100	TRF038	ROB60003	6,0	171,00
120	TRF039	ROB60004	6,0	215,00
150	TSF203	ROB60005	6,0	302,00
60	TRF031	ROB58001	5,8	105,00
80	TRF032	ROB58002	5,8	127,00
100	TRF033	ROB58003	5,8	170,00
120	TRF034	ROB58004	5,8	214,00
150	TRF035	ROB58005	5,8	300,00
60	TRF031	ROB55001	5,5	103,00
80	TRF032	ROB55002	5,5	124,00
100	TRF033	ROB55003	5,5	166,00
120	TRF034	ROB55004	5,5	209,00
150	TRF035	ROB55005	5,5	293,00
60	TRF021	ROB50001	5,0	106,00
80	TRF022	ROB50002	5,0	127,00
100	TRF023	ROB50003	5,0	171,00
120	TRF024	ROB50004	5,0	215,00
150	TRF025	ROB50005	5,0	302,00
60	TRF016	ROB40001	4,0	106,00
80	TRF017	ROB40002	4,0	127,00
100	TRF018	ROB40003	4,0	171,00
120	TRF019	ROB40004	4,0	215,00
150	TRF020	ROB40005	4,0	302,00
60	TRF011	ROB30001	3,0	95,00
80	TRF012	ROB30002	3,0	115,00
100	TRF013	ROB30003	3,0	153,00
120	TRF014	ROB30004	3,0	194,00
150	TRF015	ROB30005	3,0	271,00
60	TRF006	ROB20001	2,0	81,00
80	TRF007	ROB20002	2,0	98,00
100	TRF008	ROB20003	2,0	131,00
120	TRF009	ROB20004	2,0	165,00
150	TRF010	ROB20005	2,0	231,00
60	TRF001	ROB10001	1,0	62,00
80	TRF002	ROB10002	1,0	74,00
100	TRF003	ROB10003	1,0	99,00
120	TRF004	ROB10004	1,0	126,00
150	TRF005	ROB10005	1,0	176,00

GALV. S. PIPES (ANFOR FITTINGS 2 AND 3 HOOKS)



Discount category D



APPLICATION

- Mobile pipes for agriculture and industry

SPECIFICS

- Tolerances on diameters: up to 120 mm +/- 5% - up to 300 mm +/- 3%
- Length tolerances: +/- 1%
- Thickness tolerances: up to 120 mm +/- 0.07 mm - up to 300 mm +/- 0.10 mm

Tube mm		120	150	200	250	300
2 hooks	Raw tube thickness mm	0,9	1,0	1,2	1,5	2,0
	Galvanized weight Kg (6 m bar)	22,1	30,7	50,2	75,4	121,4
	Maximum connection deviation +/- °	14	14	12	8	8
	Maximum working pressure bar	13	12	8	5	5
3 hooks	Raw tube thickness mm	-	1,0	1,2	1,5	2,0
	Galvanized weight Kg (6 m bar)	-	30,9	50,5	75,9	121,9
	Maximum connection deviation +/- °	-	14	12	8	8
	Maximum working pressure bar	-	16	10	8	8

NUMBER OF TUBES PER SHIPMENT

Tube mm		60	80	100	120	150
1 pack	N° tubes	28	18	8	8	6
1 truck (13,6 x 2,44 x H2,6m)	N° packages	16	16	16	16	12
	N° tubes	448	288	128	128	96
1 40' container length hose max 5,8 m	N° tubes (metal cages)	406	264	136	96	80
1 20' container length hose max 5,7m	N° tubes (metal cages)	203	132	68	48	40
1 40' container HIGH CUBE length hose max 5,8 m	N° tubes (metal cages)	-	-	166	-	-
				(5,7)		

DIMENSIONS

Ø	A x B x C (m)	Kg
120	6,20 x 1,16 x 0,61	627
150	6,20 x 1,16 x 0,58	544
200	6,20 x 1,16 x 0,53	414
250	6,20 x 1,16 x 0,64	617
300	6,20 x 1,16 x 0,72	749

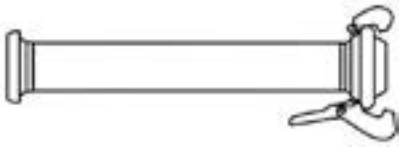


Ø	2 HOOKS				3 HOOKS				2 HOOKS				3 HOOKS			
	Code	Mod.	Bar m	€/bar	Code	Mod.	Bar m	€/bar	Code	Mod.	Bar m	€/bar	Code	Mod.	Bar m	€/bar
	AGRICULTURE								INDUSTRY							
120	TAF036	A2N60002	6,0	248,00	TAF336	A3N60002	6,0	REQ.								
150	TAF037	A2N60003	6,0	321,00	TAF337	A3N60003	6,0	341,00	A2N60013	A2N60013	6,0	REQ.	A3N60013	A3N60013	6,0	REQ.
200	TAF038	A2N60004	6,0	626,00	TAF338	A3N60004	6,0	651,00	A2N60014	A2N60014	6,0	REQ.	A3N60014	A3N60014	6,0	REQ.
250	TAF039	A2N60005	6,0	1.014,00	TAF339	A3N60005	6,0	1.032,00	A2N60015	A2N60015	6,0	REQ.	A3N60015	A3N60015	6,0	REQ.
300	TAF040	A2N60006	6,0	1.531,00	TAF340	A3N60006	6,0	1.605,00	A2N60016	A2N60016	6,0	REQ.	A3N60016	A3N60016	6,0	REQ.
120	TAF031	A2N58002	5,8	247,00	TAF331	A3N58002	5,8	REQ.								
150	TAF032	A2N58003	5,8	320,00	TAF332	A3N58003	5,8	340,00	A2N58013	A2N58013	5,8	REQ.	A3N58013	A3N58013	5,8	REQ.
200	TAF033	A2N58004	5,8	624,00	TAF333	A3N58004	5,8	649,00	A2N58014	A2N58014	5,8	REQ.	A3N58014	A3N58014	5,8	REQ.
250	TAF034	A2N58005	5,8	1.010,00	TAF334	A3N58005	5,8	1.028,00	A2N58015	A2N58015	5,8	REQ.	A3N58015	A3N58015	5,8	REQ.
300	TAF035	A2N58006	5,8	1.524,00	TAF335	A3N58006	5,8	1.598,00	A2N58016	A2N58016	5,8	REQ.	A3N58016	A3N58016	5,8	REQ.
120	TAF026	A2N55002	5,5	241,00	TAF326	A3N55002	5,5	REQ.								
150	TAF027	A2N55003	5,5	312,00	TAF327	A3N55003	5,5	331,00	A2N55013	A2N55013	5,5	REQ.	A3N55013	A3N55013	5,5	REQ.
200	TAF028	A2N55004	5,5	609,00	TAF328	A3N55004	5,5	633,00	A2N55014	A2N55014	5,5	REQ.	A3N55014	A3N55014	5,5	REQ.
250	TAF029	A2N55005	5,5	985,00	TAF329	A3N55005	5,5	1.003,00	A2N55015	A2N55015	5,5	REQ.	A3N55015	A3N55015	5,5	REQ.
300	TAF030	A2N55006	5,5	1.487,00	TAF330	A3N55006	5,5	1.560,00	A2N55016	A2N55016	5,5	REQ.	A3N55016	A3N55016	5,5	REQ.
120	TAF021	A2N50002	5,0	248,00	TAF316	A3N50002	5,0	REQ.								
150	TAF022	A2N50003	5,0	321,00	TAF317	A3N50003	5,0	341,00	A2N50013	A2N50013	5,0	REQ.	A3N50013	A3N50013	5,0	REQ.
200	TAF023	A2N50004	5,0	626,00	TAF318	A3N50004	5,0	651,00	A2N50014	A2N50014	5,0	REQ.	A3N50014	A3N50014	5,0	REQ.
250	TAF024	A2N50005	5,0	1.014,00	TAF319	A3N50005	5,0	1.032,00	A2N50015	A2N50015	5,0	REQ.	A3N50015	A3N50015	5,0	REQ.
300	TAF025	A2N50006	5,0	1.531,00	TAF320	A3N50006	5,0	1.605,00	A2N50016	A2N50016	5,0	REQ.	A3N50016	A3N50016	5,0	REQ.
120	TAF016	A2N40002	4,0	248,00	TAF316	A3N40002	4,0	REQ.								
150	TAF017	A2N40003	4,0	321,00	TAF317	A3N40003	4,0	341,00	A2N40013	A2N40013	4,0	REQ.	A3N40013	A3N40013	4,0	REQ.
200	TAF018	A2N40004	4,0	626,00	TAF318	A3N40004	4,0	651,00	A2N40014	A2N40014	4,0	REQ.	A3N40014	A3N40014	4,0	REQ.
250	TAF019	A2N40005	4,0	1.014,00	TAF319	A3N40005	4,0	1.032,00	A2N40015	A2N40015	4,0	REQ.	A3N40015	A3N40015	4,0	REQ.
300	TAF020	A2N40006	4,0	1.531,00	TAF320	A3N40006	4,0	1.605,00	A2N40016	A2N40016	4,0	REQ.	A3N40016	A3N40016	4,0	REQ.
120	TAF011	A2N30002	3,0	223,00	TAF311	A3N30002	3,0	REQ.								
150	TAF012	A2N30003	3,0	289,00	TAF312	A3N30003	3,0	307,00	A2N30013	A2N30013	3,0	REQ.	A3N30013	A3N30013	3,0	REQ.
200	TAF013	A2N30004	3,0	564,00	TAF313	A3N30004	3,0	586,00	A2N30014	A2N30014	3,0	REQ.	A3N30014	A3N30014	3,0	REQ.
250	TAF014	A2N30005	3,0	913,00	TAF314	A3N30005	3,0	929,00	A2N30015	A2N30015	3,0	REQ.	A3N30015	A3N30015	3,0	REQ.
300	TAF015	A2N30006	3,0	1.378,00	TAF315	A3N30006	3,0	1.444,00	A2N30016	A2N30016	3,0	REQ.	A3N30016	A3N30016	3,0	REQ.
120	TAF006	A2N20002	2,0	190,00	TAF306	A3N20002	2,0	REQ.								
150	TAF007	A2N20003	2,0	246,00	TAF307	A3N20003	2,0	261,00	A2N20013	A2N20013	2,0	REQ.	A3N20013	A3N20013	2,0	REQ.
200	TAF008	A2N20004	2,0	480,00	TAF308	A3N20004	2,0	499,00	A2N20014	A2N20014	2,0	REQ.	A3N20014	A3N20014	2,0	REQ.
250	TAF009	A2N20005	2,0	777,00	TAF309	A3N20005	2,0	791,00	A2N20015	A2N20015	2,0	REQ.	A3N20015	A3N20015	2,0	REQ.
300	TAF010	A2N20006	2,0	1.174,00	TAF310	A3N20006	2,0	1.230,00	A2N20016	A2N20016	2,0	REQ.	A3N20016	A3N20016	2,0	REQ.
120	TAF001	A2N10002	1,0	145,00	TAF301	A3N10002	1,0	REQ.								
150	TAF002	A2N10003	1,0	187,00	TAF302	A3N10003	1,0	199,00	A2N10013	A2N10013	1,0	REQ.	A3N10013	A3N10013	1,0	REQ.
200	TAF003	A2N10004	1,0	365,00	TAF303	A3N10004	1,0	380,00	A2N10014	A2N10014	1,0	REQ.	A3N10014	A3N10014	1,0	REQ.
250	TAF004	A2N10005	1,0	591,00	TAF304	A3N10005	1,0	602,00	A2N10015	A2N10015	1,0	REQ.	A3N10015	A3N10015	1,0	REQ.
300	TAF005	A2N10006	1,0	893,00	TAF305	A3N10006	1,0	936,00	A2N10016	A2N10016	1,0	REQ.	A3N10016	A3N10016	1,0	REQ.

GALVANIZED STEEL PIPES (BAUER FITTINGS)



Discount category D



APPLICATION

- Mobile pipes for agriculture

SPECIFICS

- Tolerances on diameters: up to 89 mm +/- 5% - up to 194 mm +/- 3%
- Length tolerances: +/- 1%
- Thickness tolerances: up to 108 mm +/- 0.07 mm - up to 194 mm +/- 0.10 mm

Ø mm	76	89	108	133	159	194
Tube mm	80	80	100	120	150	200
Raw tube thickness mm	0,7	0,7	0,8	0,9	1,0	1,2
Galvanized weight Kg (6 m bar)	11,3	12,4	17,1	23,1	31,7	51,3
Maximum connection deviation +/- °	15	15	15	10	10	10
Maximum working pressure bar	20	20	15	12	12	12

NUMBER OF TUBES PER SHIPMENT

Tube mm	50	76	89	108	133	159	194
1 pack N° tubes	119	66	50	32	28	18	8
1 truck (13,6 x 2,44 x H2,6m) N° packages	16	16	16	16	16	16	16
N° tubes	1.904	1.056	800	512	448	288	128
1 40' container length hose max 5,8 m N° tubes (metal cages)	1.860	874	600	498	326	276	136
1 20' container length hose max 5,7m N° tubes (metal cages)	930	437	300	249	163	138	68 (5,5)
1 40' container HIGH CUBE length hose max 5,8 m N° tubes (metal cages)	-	-	-	-	396	310	180

DIMENSIONS

Ø	A x B x C (m)	Kg
50	6,20 x 1,16 x 0,57	877
76	6,20 x 1,16 x 0,65	820
89	6,20 x 1,16 x 0,56	624
108	6,20 x 1,16 x 0,53	692
133	6,20 x 1,16 x 0,65	660
159	6,20 x 1,16 x 0,58	578
194	6,20 x 1,16 x 0,54	424



Ø	Code	Mod.	Bar m	€/bar	Code	Mod.	Bar m	€/bar
50	TBF036	BAU60001	6,0	136,00	BAU40001	BAU40001	4,0	136,00
76	TBF037	BAU60002	6,0	171,00	BAU40002	BAU40002	4,0	171,00
89	TBF038	BAU60003	6,0	210,00	BAU40003	BAU40003	4,0	210,00
108	TBF039	BAU60004	6,0	291,00	BAU40004	BAU40004	4,0	291,00
133	TBF040	BAU60005	6,0	375,00	BAU40005	BAU40005	4,0	375,00
159	TBF041	BAU60006	6,0	761,00	BAU40006	BAU40006	4,0	761,00
194	TBF042	BAU60013	6,0	1.080,00	BAU40013	BAU40013	4,0	1.080,00
50	TBF029	BAU58001	5,8	136,00	BAU30001	BAU30001	3,0	123,00
76	TBF030	BAU58002	5,8	170,00	BAU30002	BAU30002	3,0	153,00
89	TBF031	BAU58003	5,8	209,00	BAU30003	BAU30003	3,0	189,00
108	TBF032	BAU58004	5,8	289,00	BAU30004	BAU30004	3,0	262,00
133	TBF033	BAU58005	5,8	374,00	BAU30005	BAU30005	3,0	338,00
159	TBF034	BAU58006	5,8	758,00	BAU30006	BAU30006	3,0	685,00
194	TBF035	BAU58013	5,8	1.076,00	BAU30013	BAU30013	3,0	972,00
50	TBF022	BAU55001	5,5	132,00	BAU20001	BAU20001	2,0	105,00
76	TBF023	BAU55002	5,5	166,00	BAU20002	BAU20002	2,0	131,00
89	TBF024	BAU55003	5,5	204,00	BAU20003	BAU20003	2,0	161,00
108	TBF025	BAU55004	5,5	283,00	BAU20004	BAU20004	2,0	223,00
133	TBF026	BAU55005	5,5	365,00	BAU20005	BAU20005	2,0	288,00
159	TBF027	BAU55006	5,5	739,00	BAU20006	BAU20006	2,0	583,00
194	TBF028	BAU55013	5,5	1.050,00	BAU20013	BAU20013	2,0	828,00
50	TBF015	BAU50001	5,0	136,00	BAU10001	BAU10001	1,0	80,00
76	TBF016	BAU50002	5,0	171,00	BAU10002	BAU10002	1,0	99,00
89	TBF017	BAU50003	5,0	210,00	BAU10003	BAU10003	1,0	123,00
108	TBF018	BAU50004	5,0	291,00	BAU10004	BAU10004	1,0	170,00
133	TBF019	BAU50005	5,0	375,00	BAU10005	BAU10005	1,0	219,00
159	TBF020	BAU50006	5,0	761,00	BAU10006	BAU10006	1,0	444,00
194	TBF021	BAU50013	5,0	1.080,00	BAU10013	BAU10013	1,0	630,00

Discount category D



APPLICATION

- Mobile pipes for agriculture

SPECIFICS

- Tolerances on diameters: up to 80 mm +/- 5% - 100/120 mm +/- 3%
- Length tolerances: +/- 1%
- Tolerances on thicknesses: 80/100 mm +/- 0.07 mm - 120 mm +/- 0.10 mm

Ø mm	80	100	120
Raw tube thickness mm	0,7	0,8	0,9
Maximum working pressure bar	9	7	6

Ø	Code	Mod.	Bar m	€/bar
80	BIC60002	BIC60002	6,0	127,00
100	BIC60003	BIC60003	6,0	167,00
120	BIC60004	BIC60004	6,0	212,00
80	BIC55002	BIC55002	5,5	124,00
100	BIC55003	BIC55003	5,5	162,00
120	BIC55004	BIC55004	5,5	206,00
80	BIC50002	BIC50002	5,0	127,00
100	BIC50003	BIC50003	5,0	167,00
120	BIC50004	BIC50004	5,0	212,00
80	BIC40002	BIC40002	4,0	127,00
100	BIC40003	BIC40003	4,0	167,00
120	BIC40004	BIC40004	4,0	212,00
80	BIC30002	BIC30002	3,0	115,00
100	BIC30003	BIC30003	3,0	150,00
120	BIC30004	BIC30004	3,0	191,00
80	BIC20002	BIC20002	2,0	98,00
100	BIC20003	BIC20003	2,0	128,00
120	BIC20004	BIC20004	2,0	162,00
80	BIC10002	BIC10002	1,0	74,00
100	BIC10003	BIC10003	1,0	97,00
120	BIC10004	BIC10004	1,0	123,00

INTAKE AND DELIVERY WITH FITTINGS

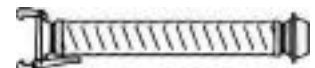
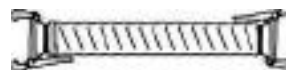
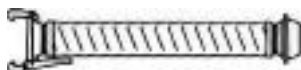
WITH FERRARI FITTINGS

RUBBER INTAKE IN 2M BARS WITH M/F FITTINGS

PVC INTAKE IN 2M BARS WITH M/F FITTINGS

RUBBER INTAKE IN 2M BARS WITH F/F FITTINGS

RUBBER DELIVERY IN 2M BARS WITH M/F FITTINGS



Ø mm	Code	Model	€	Code	Model	€	Code	€	Code	PN	€
60	TG0050	S2F00393	334,94	S2F00399	S2F00399	280,60	TG0020	368,43	TG0114	15	REQ.
80	TG0051	S2F00394	351,10	S2F00400	S2F00400	311,77	TG0021	386,21	TG0115	15	REQ.
100	TG0052	S2F00395	389,71	S2F00401	S2F00401	353,20	TG0022	428,68	TG0116	15	REQ.
120	TG0053	S2F00396	440,97	S2F00402	S2F00402	417,94	TG0023	485,07	TG0117	15	REQ.
150	TG0054	S2F00397	512,26	S2F00403	S2F00403	476,15	TG0024	563,49	TG0118	15	REQ.

WITH ANFOR FITTINGS

RUBBER INTAKE IN 2M BARS WITH M/F FITTINGS



Ø mm	Code	Model	€
120	AGA110	A2N00416	407,50
150	AGA111	A2N00424	473,75
200	AGA112	A2N00398	670,00
250	AGA113	A2N00425	1.055,00
300	AGA114	A2N00426	A REQ.

WITH BAUER FITTINGS

RUBBER INTAKE IN 2M BARS WITH M/F FITTINGS



Ø mm	Code	Model	€
80 x 76	BAU00394	BAU00394	331,25
100 x 108	BAU00395	BAU00395	393,75
120 x 133	BAU00396	BAU00396	461,25
150 x 159	BAU00397	BAU00397	538,75
200 x 194	BAU00398	BAU00398	791,25

Intake and delivery pipes without fittings on the page 241

LOW-DENSITY POLYETHYLENE PIPE

Discount category A



LD

DESCRIPTION

- Low-density polyethylene pipe
- Black colour
- In compliance with UNI 7990/2004 rule

Ø	Code	PN4		PN6		€/m
		M roll	€/m	Code	M roll	
16	TPE001	25	0,61	TPE105	25	0,69
16	TPE002	50	0,61	TPE106	50	0,69
16	TPE003	100	0,61	TPE101	100	0,69
16	TPE020-S	500	0,52	TPE030	500	0,60
20	TPE004	25	0,88	TPE107	25	0,92
20	TPE005	50	0,88	TPE108	50	0,92
20	TPE006	100	0,88	TPE049	100	0,92
20	TPE021	200	0,77	TPE049-S	400	0,79
25	TPE007	25	1,11	TPE109	25	1,39
25	TPE008	50	1,11	TPE110	50	1,39
25	TPE043	100	0,96	TPE054	100	1,21
25	TPE043-S	300	0,96	TPE054-S	300	1,21
32	TPE009	25	1,56	TPE111	25	2,25
32	TPE011	50	1,56	TPE116	50	2,25
32	TPE045	100	1,37	TPE047	100	1,96
32	TPE045-S	200	1,37	TPE047-S	200	1,96
40	TPE046	100	2,18	TPE053	100	3,02
50	TPE022	100	3,32	TPE056	100	4,59
63	TPE057	100	5,15	TPE063	100	7,23
75	TPE041	100	8,18	TPE029	100	11,36
90	TPE042	100	11,87	TPE082	100	16,30
110	TPE080	50	17,67	TPE083	50	24,26



LD WHITE

DESCRIPTION

- Low-density polyethylene pipe
- White colour with black co-extruded interior
- In compliance with UNI 7990/2004 rule

Ø	Code	PN	M roll	€/m
20	TPE1012-S	4	200	0,84
25	TPE1023-S	4	100	1,06
32	TPE1014-S	4	100	1,50
40	TPE1015-S	4	100	2,40
50	TPE1016-S	4	100	3,65
63	TPE1017-S	4	100	5,66
20	TPE1005-S	6	200	1,02
25	TPE1006	6	100	1,53
32	TPE1007	6	100	2,16
63	TPE1010	6	100	7,95

LOW-DENSITY POLYETHYLENE PIPE

Discount category A



HD

DESCRIPTION

- High-density PE100 polyethylene pipe
- Black colour with azure coextruded stripes
- In compliance with rules: UNI EN 12201, UNI EN ISO 15494, ISO TR10358, UNI EN 1622 and meeting the requirements of Decree 174 dtd 04/06/04 (g.u. nr 166 dtd 07/17/04) of Ministry of Health, suitable for waters conveyance of human consumption

Temperature °C	Maximum working pressure (bar)			
	PN6	PN10	PN16	PN25
< 20	6,0	10,0	16,0	25,0
30	5,2	8,7	13,9	21,7
40	4,4	7,4	11,8	18,5

HD COILS

Ø	PN10 - SDR 17			PN16 - SDR 11			PN25 - SDR 7,4		
	Code	m	€/m	Code	m	€/m	Code	m	€/m
20	TPE501	100	REQ.	TPE510	100	1,12	TPE540	100	1,59
25	TPE502	100	1,46	TPE512	100	1,69	TPE541	100	2,34
32	TPE503	100	1,94	TPE513	50-100	2,63	TPE542	50-100	3,65
40	TPE471	100	2,91	TPE514	50-100	4,12	TPE543	50-100	5,71
50	TPE472	100	4,46	TPE515	50-100	6,27	TPE544	50-100	8,89
63	TPE473	100	6,97	TPE516	50-100	9,92	TPE545	50-100	13,95
75	TPE474	50	10,08	TPE517	50-100	14,34	TPE546	50-100	20,53
90	TPE475	50	14,52	TPE518	50-100	20,83	TPE547	50-100	29,45
110	TPE476	50	21,54	TPE519	50	30,80	TPE548	50	44,07

Other diameters up to 630 mm and PN6 SDR 26 pipe (Ø mm 160 ÷ 630) on request

HD BARS

Ø	PN10 - SDR 17			PN16 - SDR 11			PN25 - SDR 7,4		
	Code	m	€/m	Code	m	€/m	Code	m	€/m
32				TPE550	6	2,72	TPE570	6	3,78
40				TPE551	6	4,26	TPE571	6	5,90
50				TPE552	6	6,49	TPE572	6	9,20
63				TPE553	6	10,27	TPE573	6	14,43
75				TPE554	6-12	12,90	TPE574	6	18,46
90				TPE557	6-12	18,73	TPE575	6-12	26,48
110				TPE556	6-12	27,70	TPE576	6-12	39,64
125	TPE477	6-12	24,30	TPE520	6-12	35,88	TPE577	6-12	50,96
140	TPE478	6-12	28,67	TPE521	6-12	42,09	TPE578	6-12	60,20
160	TPE479	6-12	37,43	TPE522	6-12	55,20	TPE579	6-12	78,30
180	TPE480	6-12	47,26	TPE567	6-12	69,78	TPE580	12	99,02
200	TPE481	6-12	58,32	TPE524	6-12	86,07	TPE581	12	122,45
225	TPE482	6-12	73,96	TPE525	6-12	108,93			
250	TPE483	6-12	90,66	TPE526	6-12	133,99			
315	TPE485	6-12	144,22	TPE527	6-12	212,54			
400	TPE486	12	231,95						

Other diameters up to 630 mm and PN6 SDR 26 pipe (Ø mm 160 ÷ 630) on request

PE 80 GAS pipe with yellow stripe (IIP131 rule)

PVC-U PIPE

Discount category A



DESCRIPTION

- PVC pipe for fluids in pressure (6 m bar)
- RAL7011 grey colour
- Complying with UNI en 1452 RULE AND MEETING REGULATIONS OF Decree of law n. 174 of 04/04/04 (official law n.166 of 07/17/04) of Ministry of Health
- Up to Ø 400 on request

PN6 SDR 33			PN10 SDR 21		PN16 SDR 13,6		PN6 SDR 41			PN10 SDR 26		PN16 SDR 17	
Ø	Code	€/m	Code	€/m	Code	€/m	Ø	Code	€/m	Code	€/m	Code	€/m
32			TRE001	2,58	TRE170	3,61	110	TRE045	13,41	TRE007	19,17	TRE050	28,95
40	TRE149	2,85	TRE002	3,47	TRE171	5,16	125	TRE011	17,55	TRE009	24,66	TRE020	36,92
50	TRE047	3,82	TRE003	5,44	TRE172	7,97	140	TRE150	21,98	TRE016	31,11	TRE173	46,36
63	TRE022	5,87	TRE004	8,42	TRE048	12,68	160	TRE151	28,45	TRE012	40,77	TRE174	60,50
75	TRE021	8,13	TRE005	12,06	TRE169	18,00	180	TRE152	37,57	TRE160	53,88	TRE175	81,21
90	TRE010	11,24	TRE006	15,82	TRE080	23,60	200	TRE153	43,56	TRE013	63,03	TRE176	94,56
							225	TRE154	55,10	TRE060	79,20		
							250	TRE155	69,14	TRE008	98,31		

PVC-A PIPE



PVC-A PIPES AND FITTINGS SYSTEM

- PVC mixed polymeric composite system
- Better performances for conveying water and fluids in pressure
- High resistance to crack propagation while laying
- Substantial resistance to point loads impact at low temperature as well
- Crack propagation resistant
- Chemical agents excellent
- Stray currents resistance
- Less weight than plastic traditional ducts of equal diameter

FEATURES

Ø OD mm	Lengths mm		PN10			PN16			Tubi x pallet
	L	L _n *	Code	Thickn. mm	€/m	Code	Thickn. mm	€/m	
50	6.000	5.890				TRS025	3	REQ.	194
63	6.000	5.880	TRS004	2,1	REQ.	TRS026	3,2	REQ.	123
90	6.000	5.865	TRS006	2,6	REQ.	TRS028	4	REQ.	96
110	6.000	5.850	TRS007	3,1	REQ.	TRS029	4,9	REQ.	57
125	6.000	5.840	TRS008	3,5	REQ.	TRS030	5,5	REQ.	51
140	6.000	5.830	TRS009	3,9	REQ.	TRS031	6,2	REQ.	45
160	6.000	5.810	TRS010	4,5	REQ.	TRS032	7	REQ.	33
200	6.000	5.790	TRS012	5,6	REQ.	TRS034	8,8	REQ.	20

*Useful length

PVC-A PIPE ANTI-FRAYING FITTINGS



FEATURES

- Once assembled, the pipe cannot be removed
- By using anti-fraying fittings, anchor blocks are not required either for standard ducts installation or for no-dig ones

MATERIAL

- PVC-U fitting
- Seal: SBR - RVS 304

Ø OD mm	Code	PN12,5	OD	L	Max. Press.	€
63	RBG260	+	84	250	PN16	REQ.
90	RBG261	+	115	280	PN16	REQ.
110	RBG262	+	140	280	PN16	REQ.
160	RBG263	+	200	335	PN16	REQ.
200	RBG264	+	250	372	PN16	REQ.

PVC LAYFLAT PIPE

Discount category A

DESCRIPTION



- Anti-twist
- Easy to rewind for subsequent use
- Better fitting and pipe grip due to the use of braided wires ensuring steadiness on the whole length of the pipe
- 3-parts polyester wire
- Both pipe and coating are simultaneously extruded in order to obtain maximum fusion
- Working temperature: -20°C ÷ +76° C (higher than +43°C working pressure decreases)

SUN-FLOW

SF10 BLUE LAYFLAT



SF55 GREY LAYFLAT



Ø	Code	Ø _{int} mm	Thickn. mm	Press. exercise bar	Coil weight kg	Coil m	€/m	Code	Ø _{int} mm	Thickn. mm	Press. exercise bar	Coil weight kg	Coil m	€/m
2"	TMN501	53,1	1,5	5,50	33	100	2,92	TMN550	52,8	2,2	10,34	49	100	5,08
2"½	TMN502	65,0	1,5	4,50	41	100	4,21							
3"	TMN503	78,0	1,6	5,50	49	100	5,65	TMN552	78,0	2,5	10,34	88	100	10,86
4"	TMN504	104,9	1,7	4,80	72	100	7,57	TMN553	104,9	2,9	6,89	127	100	15,95
5"	TMN505	128,0	1,8	2,76	86	100	10,34	TMN554	128,8	3,3	6,89	181	100	22,95
6"	TMN520	156,5	1,9	4,14	53	50	12,75	TMN558	154,9	3,7	6,89	113	50	28,47
8"	TMN508	207,0	2,2	2,41	177	100	28,48							

SUNNY HOSE

SH LAYFLAT



HI-SH LAYFLAT



Ø	Code	Ø _{int} mm	Thickn. mm	Press. exercise bar	Coil weight kg	Coil m	€/m	Code	Ø _{int} mm	Thickn. mm	Press. exercise bar	Coil weight kg	Coil m	€/m
2"	TMN855	53	1,30	4,5	27,0	100	2,58	TMN958	52,0	1,6	7,0	33,3	100	3,65
3"	TMN856	78	1,70	4,0	53,0	100	4,96	TMN957	78,5	1,9	6,0	57,0	100	6,05
4"	TMN859	104	1,75	4,0	70,5	100	6,60	TMN956	104,5	2,3	6,0	86,5	100	9,28
5"	TMN860	128	1,85	3,0	93,5	100	8,92	TMN955	128,0	2,3	6,0	108,0	100	12,08
6"	TMN861	155	1,95	3,0	117,5	100	11,05	TMN954	156,5	2,6	6,0	148,2	100	15,33

EUROFLAT BLUE



Ø	Code	Ø _{int} mm	Thickn. mm	Press. exercise bar	Coil weight kg	Coil m	€/m
3"	TMN1036	77	1,4	4	41	100	3,50
4"	TMN1046	104	1,4	4	61	100	5,20
5"	TMN1056	137	1,5	4	74	100	7,00
6"	TMN1066	156	1,5	4	90	100	9,00

PVC LAYFLAT PIPE

Discount category A



APPLICATION

- For water handling and distribution in extensive irrigation systems

SPECIFICS

- PVC ducting - consisting of simultaneous extrusion with 3-ply polyester tubing
- Temperature range: - 20°C / + 70°C (at temperatures below -15°C do not handle product - temperatures above + 45°C reduce pressure resistance)

FEATURES

- Used to make removable water movement pipelines
- To create water distribution systems by means of pluggable fittings on the side
- Compatible with galvanised metal LayFlat fittings or specific PM compression fittings
- Flexible, highly resistant to crushing and creep
- Wide range of diameters to meet field requirements

WITHOUT START CONNECTOR

Ø	Code	Ø _{int} mm	Wall thickness mm	Max pressure bar	Coil weight kg	Coil length m	€/m
TD- FLAT RUBY							
2"	TMN620	50,5	1,25	4	27	100	3,60
2"½	TMN622	62,2	1,40	4	30	100	4,53
3"	TMN623	75,2	1,40	3	38	100	4,56
4"	TMN624	102,2	1,40	3	51	100	6,34
TD- FLAT SKY							
5"	TMN625	124,5	1,75	3	86	100	10,35
6"	TMN626	152,5	2,00	3	100	100	12,03
8"	TMN627	202,4	2,30	2,5	205	100	25,74
TN- FLAT NATURE							
2"	TMN630	49,6	1,70	10	33	100	4,50
2"½	TMN631	61,5	1,75	10	40	100	4,84
3"	TMN632	74,2	1,90	6	57	100	7,45
4"	TMN633	101,0	2,00	6	78	100	9,66
5"	TMN634	123,4	2,30	6	100	100	12,28
6"	TMN635	151,7	2,40	6	150	100	17,94



APPLICATION

- For water movement and distribution in extensive irrigation systems

SPECIFICS

- PVC duct – consisting of simultaneous extrusion with 3-ply polyester tubing
- Temperature range: - 20°C/+ 70°C (with temperatures below -15°C do not move the product - with temperatures above + 45°C reduce pressure resistance)

FEATURES

- To create water distribution systems using fittings that can be inserted on the side
- Compatible with LayFlat fittings in galvanized metal or specific PM tightening fittings
- Flexible, highly resistant to crushing and sliding
- Wide range of diameters to meet field needs
- Distances between Start Connectors: 0.70 - 0.90 - 1.00 - 1.40 - 1.50
- Special spacings on request

WITH START CONNECTOR

Ø	Max pressure (bar)	Coils (m)	Dimensions D x L (cm)	70 cm		90 cm		100 cm		140 cm		150 cm	
				Code	€	Code	€	Code	€	Code	€	Code	€
3"	3	100	78 x 14	TMN3P07S	6,76	TMN3P09S	6,28	TMN3P10S	6,07	TMN3P14S	5,66	TMN3P15S	5,66
4"	3	100	80 x 17,5	TMN4P07S	8,56	TMN4P09S	8,07	TMN4P10S	7,87	TMN4P14S	7,45	TMN4P15S	7,38
5"	3	100	84 x 21	TMN5P07S	12,49	TMN5P09S	12,01	TMN5P10S	11,87	TMN5P14S	11,39	TMN5P15S	11,32
6"	3	100	87 x 26	TMN6P07S	14,21	TMN6P09S	13,66	TMN6P10S	13,52	TMN6P14S	13,04	TMN6P15S	12,97
8"	2,5	100	107 x 33	TMN8P07S	28,98	TMN8P09S	28,70	TMN8P10S	28,57	TMN8P14S	28,15	TMN8P15S	28,15

ACCESSORIES



Code	Description	€
OAF317	Torx wrench - 0 10 mm	11,10



Code	Description	€
RLF012-S	Lay-Flat 1/2" F x pre-drilled start	1,28

FITTINGS

FOR LAYFLAT MICRO-SPRINKLERS



Code	Description	Hole Ø on pipeline	Ø	Box	€/each
RLF001	Start Layflat x pipe 10 mm	14 mm	10 mm	1.500	1,32



START FITTING FOR LAYFLAT

Code	Description	Hole Ø on pipeline	Ø	Box	€/each
RLF010	Start Layflat x 3/4" M	14 mm	3/4"	1.000	0,93
RLF013	Start Layflat x 3/4" F	14 mm	3/4"	450	0,93
RLF009	Start Layflat x 3/4" M	19 mm	3/4"	1.000	1,35
RLF014	Start Layflat x 3/4" F	19 mm	3/4"	400	3,88
RLF002	Cap with screw for closing holes 3/8" Ø screw	14 mm		50	0,61
RLF006	Cap with screw for closing holes 3/8" Ø screw	19 mm		50	1,12

PE LAYFLAT PIPE

Discount category A



APPLICATION

- For water movement and distribution in extensive irrigation systems

SPECIFICS

- PE duct – consisting of simultaneous extrusion with 3-ply polyester tubing
- Temperature range: - 20°C/+ 70°C (with temperatures below -15°C do not move the product - with temperatures above + 45°C the pressure resistance is reduced)
- Working ranges: PE Flat grey: 3 bar
- check the technical data sheet of the specific product

FEATURES

- Used to make removable water handling pipes.
- To create water distribution systems using pre-assembled Start Connectors.
- Flexible, lightweight, resistant to crushing
- Wide range of diameters to meet field needs
- Distances between Start Connectors from 0.5 m to 10 m

PE-FLAT WHITE

Ø	Code	Ø _{int} mm	Wall thickness mm	Max pressure bar	Coil weight kg	Coil length m	€/m
3"	TMN003	78,0	1,00	3,0	22	100	4,56
4"	TMN004	105,0	1,05	3,0	33	100	6,34
5"	TMN005	128,0	1,10	3,0	44	100	10,35
6"	TMN006	156,5	1,10	3,0	56	100	12,03

PE Pmfit STRETCH FITTINGS



Ø	Sleeve		M connection		Key	
	Code	€	Code	€	Code	€
3"	RGL403	26,90	RGL413	14,80	OAF318	43,00
4"	RGL404	31,80	RGL414	18,60		
5"	RGL405	60,40	RGL415	35,10		
6"	RGL406	98,30	RGL416	55,90		

LAYFLAT PE-FLAT WHITE PRE-DRILLED (MAX. 1,5 BAR) WITH ½" F PRE-INSERTED START - COILS 100 M

Ø _{int} mm	Thickn. ~ mm	Ø	Distance departures									
			70 cm		90 cm		100 cm		140 cm		150 cm	
			Code	€/m	Code	€/m	Code	€/m	Code	€/m	Code	€/m
78,0	1,00	3"	TMNP13P07S	6,62	TMNP13P09S	6,14	TMNP13P10S	5,93	TMNP13P14S	5,53	TMNP13P15S	5,53
105,0	1,05	4"	TMNP14P07S	8,38	TMNP14P09S	7,90	TMNP14P10S	7,69	TMNP14P14S	7,29	TMNP14P15S	7,22
128,0	1,10	5"	TMNP15P07S	12,22	TMNP15P09S	11,74	TMNP15P10S	11,60	TMNP15P14S	11,12	TMNP15P15S	11,05
156,5	1,10	6"	TMNP16P07S	13,84	TMNP16P09S	13,30	TMNP16P10S	13,16	TMNP16P14S	12,68	TMNP16P15S	12,62

Other distances departures on request

LAYFLAT PE-FLAT WHITE PRE-DRILLED (MAX. 2 BAR) WITH ½" F PRE-INSERTED START - COILS 100 M

Ø _{int} mm	Thickn. ~ mm	Ø	Distance departures									
			70 cm		90 cm		100 cm		140 cm		150 cm	
			Code	€/m	Code	€/m	Code	€/m	Code	€/m	Code	€/m
78,0	1,35	3"	TMNP23P07S	6,89	TMNP23P09S	6,39	TMNP23P10S	6,17	TMNP23P14S	5,76	TMNP23P15S	5,76
105,0	1,40	4"	TMNP24P07S	8,72	TMNP24P09S	8,22	TMNP24P10S	8,00	TMNP24P14S	7,59	TMNP24P15S	7,51
128,0	1,65	5"	TMNP25P07S	12,71	TMNP25P09S	12,21	TMNP25P10S	12,07	TMNP25P14S	11,57	TMNP25P15S	11,50
156,5	1,80	6"	TMNP26P07S	14,40	TMNP26P09S	13,84	TMNP26P10S	13,69	TMNP26P14S	13,19	TMNP26P15S	13,13

Other distances departures on request

CORRUGATED PASSACABLE

DESCRIPTION

- Protection and passage of water ducts, electrical cable ducts, etc...
- PEAD made, extremely corrugated and internally coated by a low-density polyethylene layer which make ducts smoother in order to enable the internele passage
- Equipped with an internal pipe puller
- 450 Newton crashing resistance
- Complying with rule CEI EN 50086-2-4/A1 (CEI 23-46) and meeting the essential requirement of directive B: T 73/23/CEE and following amendments



Ø	Code	M roll	€/m
40	TVR007	50	2,34
50	TVR008	50	2,70
63	TVR002	50	3,42
75	TVR009	50	4,32
90	TVR003	50	5,04
110	TVR050	50	6,48
125	TVR051	50	7,74
160	TVR053	50	12,42
200	TVR054	25	21,96

DRAINAGE

DOUBLE WALL HDPE

- Draining systems

NUDE PVC

- Rigid, corrugated and flexible PVC
- Standard holes width is 1,3 mm and this is excellent in order to avoid cloggings
- The ring shape allows a high crushing resistance (on normal conditions, can be put underground up to a 5 m depth)

COATED PVC

- Aspirations and pourings of food and no-food waters and liquids
- Atoxic, light, flexible and plasticised PVC, with rigid, anti-shock and anti-crashing PVC reinforce spiral
- Working temperature: -15°C ÷ +60°C
- Colour: transparent with ivory spiral

DOUBLE WALL HDPE



Ø	Code	m	€/m
63	TDR530	50	3,78
75	TDR531	50	4,86
90	TDR532	50	5,40
110	TDR533	50	6,84
125	TDR534	50	8,46
160	TDR536	50	14,04
200	TDR537	25	24,48

NUDE PVC



Ø	Code	m	€/m
50	TDR002	200	2,25
65	TDR003	150	3,15
80	TDR005	100	4,35
100	TDR006	50	6,00
125	TDR007	50	10,50
160	TDR009	50	17,40
200	TDR008	40	31,63

INTAKE AND DELIVERY WITHOUT FITTINGS

DESCRIPTION

- For intake and delivery of irrigation water and non-food liquids
- Made of non-toxic rubber with support canvas insert
- Intake hose with crush-proof stainless steel spiral integrated into the hose itself
- Black colour

INTAKE PIPE 2 M BARS



DELIVERY PIPE PN15 2 M BARS



DELIVERY PIPE PN15 ROLLS OF 20 M

INTAKE PIPE IN PVC 2 M BARS



Ø	Code	€/bar	Code	€/bar	Code	€/bar
60	TG0001	102,00	TG0100	102,20	TG0129	837,00
80	TG0002	148,50	TG0101	135,90	TG0130	1.191,00
100	TG0003	178,50	TG0102	171,30	TG0131	1.468,50
120	TG0004	208,50	TG0103	201,00	TG0132	1.873,50
150	TG0005	264,00	TG0104	381,50	TG0133	3.226,50

Ø	Code	Model	€
60 x 71	TGM00009	TGM00009	22,35
80 x 94	TGM00010	TGM00010	32,67
102 x 117	TGM00011	TGM00011	45,41
120 x 135	TGM00012	TGM00012	63,75
152 x 169	TGM00013	TGM00013	79,00
203 x 221	TGM00014	TGM00014	158,37

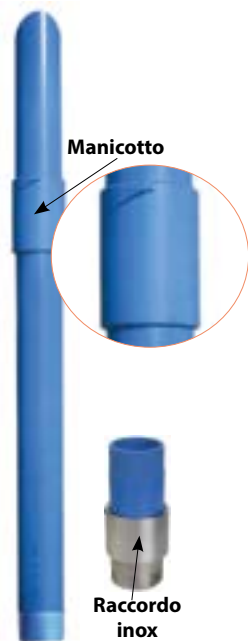
Intake and delivery hoses with fittings on page 233

SPECIAL PIPE

Discount category A

PVC DELIVERY PIPES FOR SUBMERSIBLE PUMPS

DESCRIPTION



- Rigid PVC pipe
 - For connection of submersible pumps
 - High resistance to internal pressures and traction
 - High impact resistance
 - Lightweight and easy to handle and transport
 - Male trapezoidal thread at the ends
 - Joint sleeve pre-installed at one end
 - Bar length 4 m
 - The bar is supplied with a sleeve included
- Max depth 100 m
 - Hydraulic sealing O-ring
 - Blocking system to prevent accidental loosening of the pipes
 - Connection to the pump via stainless steel fitting
 - Reduced pressure drops, hydraulic coefficient $K = 0.01$
 - Certified for use with drinking water

PVC - INOX PASSAGE CONNECTION

Ø _{nom} pump	Delivery pipe
3"	1"
4"	1 1/4"
4"	2"
6"	2 1/2"
6"	3"
8"	3"
8"	5"
10"	5"

DELIVERY PIPES

Code	Ø _{ext}	Thickn.	Ø _{int}	Manic. Ø _{ext}	Thread type	Pipe weight kg/m	Tensile strength kg	€/bar
	Inches							
TMP001	1 1/2"	4,5	39,0	60	TPN4	0,9	2,0	73,40
TMP002	2"	5,8	48,4	75	TPN4	1,5	2,7	102,69
TMP003	2 1/2"	6,8	61,4	90	TPN4	2,2	4,0	139,15
TMP004	3"	8,2	73,6	105	TPN4	3,1	7,0	191,03
TMP005	4"	8,2	97,6	130	TPN6	4,0	8,6	245,07
TMP006	5"	10,3	119,4	170	TPN6	6,2	17,0	356,72
TMP007	6"	12,0	146,0	200	TPN6	8,8	19,3	487,02
TMP008	8"	16,7	191,6	265	TPN6	16,2	25,0	862,86

Note: 1 sleeve included

STAINLESS NIPPLE M/M HOSE END



Code	Delivery pipe trapezoid thr. M	M gas thr. pump conn.	€
TMA018	1 1/2"	1 1/2"	124,84
TMA016	2"	2"	150,45
TMA017	2 1/2"	2 1/2"	225,68
TMA019	3"	3"	300,90
TMA020	4"	4"	524,97
TMA021	5"	5"	798,65

STAINLESS STEEL FITTING M/F PUMP START



Code	M gas thr. pump conn.	Delivery pipe trapezoid thr. F	€
TMA001	1 1/2"	1 1/2"	124,84
TMA002	2"	1 1/2"	124,84
TMA004	2"	2"	150,45
TMA009	2 1/2"	2"	187,89
TMA003	2 1/2"	2 1/2"	225,68
TMA006	3"	2 1/2"	225,68
TMA005	3"	3"	300,90
TMA007	4"	3"	300,90
TMA008	4"	4"	524,97
TMA022	5"	4"	524,97
TMA023	5"	5"	798,65

LIFTING HEAD TRAPEZOIDAL M THREAD



Code	Inches	€
TMA012	1 1/2"	65,63
TMA015	2"	75,23
TMA011	2 1/2"	89,63
TMA010	3"	100,84
TMA013	4"	121,64
TMA014	5"	140,00

NOTE



SPECIAL INSTALLATIONS

Discount category A

SCM BASE SERIES MOTORPUMP



FEATURES

- IVECO motor (TIER 3A rule) complete with hand throttle and low noise muffler
- Motor protection control unit type Elcos Cem 250, complete with tachometer, meter, pressure gauge, pressure switch, timer, start key, alarm lights; motor stop in case of low oil pressure, motor high temperature, belts break, water pressure fall
- Chassis on 2 large-diameter wheels, built-in tank, 3 support height, height adjustable drawbar, storage compartment, fuel level, start battery
- Elastic joint fo motor and pump coupling
- Caprari pump

Code	Model					N° impell	Flow-rate l/m			Aspiration	Delivery	€
	Motor	Motor HP	R.p.m.	Average consum. l/h	Pump		Prevalence m					
GMP016	IVECO	70	2.000	11,0	MEC AHZ4/100A	1	2.700 69	2.400 70	2.100 71	DN125	DN100	28.135,00
GMP004	IVECO	79	2.000	11,6	MEC AHZ4/100A	1	2.700 69	2.400 70	2.100 71	DN125	DN100	29.318,00
GMP001	IVECO	95	2.000	13,6	MEC A3/125B	1	4.800 61	3.600 65	3.000 66	DN150	DN125	38.407,00
GMP002	IVECO	95	2.000	13,6	MEC MR100/2H	2	2.700 105	2.400 109	2.160 112	DN125	DN100	40.411,00
GMP013	IVECO	95	2.000	13,6	MEC MG100/2H	2	2.700 105	2.400 109	2.160 112	DN125	DN100	40.411,00
GMP014	IVECO	99	2.200	14,3	MEC MR 80-1/3A	3	1.600 152	1.320 164	1.080 170	DN80	DN80	41.313,00
GMP045	IVECO	122	2.000	16,8	MEC AZRBH4/125C	1	4.200 88	3.600 91	3.000 92	DN150	DN125	44.438,00
GMP025	IVECO	172	2.000	23,1	MEC AZRBH4/125A	1	4.200 111	3.600 114	3.000 115	DN150	DN125	50.460,00
GMP026	IVECO	164	1.750	21,9	MEC MR 125/2E	2	4.200 95	3.600 102	3.000 106	DN150	DN125	63.266,00
GMP027	IVECO	235	1.750	27,0	MEC MR 100-2/3D	3	3.480 137	3.000 150	2.520 159	DN125	DN100	67.075,00
GMP028	IVECO	235	1.750	27,0	MEC MG100-2/3D	3	3.480 137	3.000 150	2.520 159	DN125	DN100	67.428,00

Note: motors being tested for adaptation to new european standards

FILTRATION AND FERTIGATION MOTORPUMP



APPLICATION

- Preassembled pumping and filtering screen systems for agriculture installations

SPECIFICS

- Maximum pressue: 8 bar
- Maximum working pressure: 2 bar
- Couplings: spherical coupling "Ferrari" kind
- Waste waters discharge: 2"
- Filtering element: screen, 140 micron standard
- Electro hydraulic fertigation pump: 12V DC 300l/h
- Hydraulic check valve with pressure regulation (DN50)
- Manual priming pump

FEATURES

- Control unit power supply: 9V DC battery
- Backwash control system by time and by differential pressure
- Self-supporting chassis, welded and boxed steel
- Tractor's three-point hitch

Code	Description	Ø filter	€
GMP022	Max flow-rate 160 m³/h	6"	49.753,00
GMP021	Max flow-rate 230 m³/h	8"	50.848,00
GMP020	Max flow-rate 270 m³/h	10"	51.266,00

Note: motors being tested for adaptation to new european standards

Filtration and fertigation special version motorpumps	
Version with installed agronic 2500 and fertilizer tank	REQ.
Version with installed fertigation kit	REQ.
Other models and assembling on request	

EASY MODEL INTEGRATED SYSTEMS



STANDARD MODEL INTEGRATED SYSTEMS



FULL MODEL INTEGRATED SYSTEMS



INTEGRATED SYSTEMS ACCESSORIES

APPLICATION

- Pre-assembled mesh pumping and filtration system for agricultural systems

SPECIFICS

- Maximum pressure: 8 bar
- Filtering element: 140 micron mesh
- 12 V DC fertigation pump
- Pressure regulating valve
- Manual priming pump
- Rovatti T4 125E type cardan pump

FEATURES

- Backwash control system
- Boxed steel support frame, welded
- Three-point hitch for tractor

Code	Description	Ø filter	€
GMP012	Max flow-rate 160 m ³ /h	6"	21.876,00
GMP011	Max flow-rate 230 m ³ /h	8"	22.694,00
GMP010	Max flow-rate 270 m ³ /h	10"	23.268,00
Other models and assembling on request			

APPLICATION

- Pre-assembled mesh pumping and filtration system for agricultural systems

SPECIFICS

- Maximum pressure: 8 bar
- Filtering element: 140 micron mesh
- Fertigation pump 12 V AC
- Pressure regulating valve
- Manual priming pump
- Rovatti T4 125E type cardan pump

FEATURES

- Backwash control system
- Telescopic jib crane
- Welded boxed steel support frame
- Three-point hitch for tractor

Code	Description	Ø filter	€
GMP033	Max flow-rate 160 m ³ /h	6"	25.716,00
GMP032	Max flow-rate 230 m ³ /h	8"	26.452,00
GMP031	Max flow-rate 270 m ³ /h	10"	27.108,00
Other models and assembling on request			

APPLICATION

- Pre-assembled mesh pumping and filtration system for agricultural systems

SPECIFICS

- Maximum pressure: 8 bar
- Filtering element: 140 micron mesh
- Pressure regulating valve
- Manual priming pump
- Rovatti T4 125E type cardan pump

FEATURES

- Control unit power supply: 9 V DC battery
- Backwash control system
- Telescopic jib crane
- Welded boxed steel support frame
- Three-point hitch for tractor
- Fertilizer tanks 2 x 400 l

Code	Description	Ø filter	€
GMP042	Max flow-rate 160 m ³ /h	6"	27.892,00
GMP041	Max flow-rate 230 m ³ /h	8"	28.628,00
GMP040	Max flow-rate 270 m ³ /h	10"	29.284,00
Other models and assembling on request			

Code	Description	€
AAC190	Telescopic loader - 180° rotation	3.861,00
ASP150	Ø 150 aspiration kit (suction strainer, check valve, 45° bend, rubber pipe, spherical metal pipe)	971,00
ASP200	Ø 200 aspiration kit (suction strainer, check valve, 45° bend, rubber pipe, spherical metal pipe)	2.079,00

EQUIPPED SHELTER



- Irrigation control system pre-assembled in a metal structure with the following characteristics:
 - The load-bearing metal structure of the SHELTER will be made using profiles obtained from sheets for structural purposes galvanized by continuous hot dipping
 - The insulation will be made with a sandwich panel made up of 2 pre-painted immersion galvanized steel sheets with high density expanded polyurethane interposed

STANDARD STRUCTURE

- Walkable surface made of thick chipboard. 18 mm and covered with 2+1 mm checkerboard aluminium
- Flat cover; insulation made with sandwich panel thickness. 30 + 40 mm external fret
- Internal and external sheet metal thickness. 4/10, bg color similar to ral 9002
- N. 1 blind external door with 2 symmetrical swing leaves; hole: 1980x2060h mm
- N. 1 fireplace with mechanical fan
- Standard electrical system (380 v), for a power used not exceeding 6 kw, carried out in a workmanlike manner with products compliant with laws no. 186/68 and n. 791/77, and in compliance with the CEI, IEC, CENEIEC standards, with the release of the declaration of conformity of the system with the rules of the art (art. 6, law no. 37 of 27 March 2008). the cables are flame retardant, protected by exposed self-extinguishing PVC pipes

COMPLETE WITH

- Junction box for connection to external power
- Electrical panel 54 modules with general differential switch 4 x 32A 0.03A and adequate circuit breakers (10A for lighting and 16A for sockets)
- N. 1 36 W LED ceiling light, with on switch
- N. 1 emergency ceiling light
- N. 2 single-phase 10/16A universal socket
- Bolts for connection to the earth network welded into the base structure

FINISH

- The Shelter must be completed according to the client's instructions with the necessary equipment
- The following can be defined and installed:
 - Horizontal and vertical pumps, panels and inverters up to a power of 6 kW
 - Hydrocyclone filters, automatic vertical and horizontal mesh filters, automatic disc filters
 - Woltmann type water meters, tangential, ultrasonic or paddle flow sensors
 - Automation control units for single-cable or LoRa radio systems
 - Complete fertigation benches or fertilizer pumps with management inverter
 - PE Ad, PVC or stainless steel pipes can be used depending on the order specifications



Shelter size m	Basic shelter	OPTIONS ON REQUEST				
		Sliding window	Window with fixed grille	Aspirator 150 m ³ /h	Floor collection tank (2,38 x 1,5 m)	Channel Cablofil (x m linear)
2 x 2,38	14.759,20 €	1.045,00 €	467,40 €	1.364,20 €	4.670,20 €	273,60 €
2,38 x 2,38	15.295,00 €	1.045,00 €	467,40 €	1.364,20 €	4.670,20 €	273,60 €
3 x 2,38*	16.484,40 €	1.045,00 €	467,40 €	1.364,20 €	4.670,20 €	273,60 €
4 x 2,38	18.342,60 €	1.045,00 €	467,40 €	1.364,20 €	4.670,20 €	273,60 €

*Standard - others on request

Note: to calculate the final price, add the costs of the hydraulic components defined as per this price list to the cost of the basic Shelter and its options

TB SERIES SELF-MOVING MACHINES



FEATURES

- Self-moving machine with hot galvanized upper and lower chassis
- Hose reel irrigator with turntable 360°
- Differential thickness polyethylene hose

STANDARD EQUIPMENT

- Telescopic mechanical support saddles
- Joint shaft on the gearbox
- Partialized flow turbine
- Adjustable track cart
- Glycerine bath pressure gauge
- Manual rewind
- Speed control and compensator
- Meter counter tachometer
- 3 speed reducer (S1 - S2) and 6 speeds (S3 - S4 - S5)
- Drawbar mechanical lift
- Accident prevention protections
- Side power supply
- Flanged turbine on the gearbox
- Sprinkler
- Jointing coupling
- Hydraulic lift operations with manual pump (S3 - S4 - S5)
- In compliance with CE 89/392 rules

TORNADO SERIES

Code	Model	Ø hose	Lenght	Sprinkler	€	Code	Model	Ø hose	Lenght	Sprinkler	€
ASR030	S 1	63	250	Twin 101	12.733,24	ASR044	S 4	90	350	Twin 140	25.637,56
						ASR045	S 4	90	400	Twin 140	25.955,28
						ASR046	S 4	100	350	Twin 140	25.979,72
						ASR047	S 4	100	400	Twin 140	27.568,32
ASR031	S 2	75	300	Twin 101	16.448,12	ASR048	S 4	110	300	Twin 160	26.541,84
ASR032	S 2	82	300	Twin 101	17.254,64	ASR049	S 4	100	450	Twin 160	28.472,60
						ASR050	S 5	100	500	Twin 160	33.800,52
ASR040	S 3	82	400	Twin 101	23.218,00	ASR051	S 5	110	400	Twin 160	33.336,16
ASR041	S 3	90	300	Twin 140	21.922,68	ASR052	S 5	110	450	Twin 160	35.242,48
ASR042	S 3	90	350	Twin 140	23.657,92	ASR053	S 5	110	500	Twin 160	37.833,12
ASR043	S 3	100	250	Twin 140	21.409,44	ASR054	S 5	125	380	Twin 202	37.271,00
						ASR055	S 5	125	400	Twin 202	37.882,00
						ASR056	S 5	140	300	Twin 202	36.024,56

DGS COMPACT SERIES SELF-MOVING MACHINES



APPLICATION

- Mainly for sport areas and large landscape areas

FEATURES

- Differential thickness polyethylene hose
- Pipe rewind while irrigating
- System by partialized flow hydraulic turbine and coaxial reducer, maintenance free
- Working pressure 3.5 ÷ 8 bar (can be checked on the specific pressure gauge)
- Adjustable speed rewind
- Automatic stop of rewind at the end of irrigation
- Adjustable sector sprinkler with spare nozzles
- Endless screw hosedrum for a perfect rewind
- Hosedrum wheel cart by adjustable

Code	Ø hose	Lenght	Sprinkler	€
OIR200	40	125	K1	5.279,04
OIR201	50	150	Ambo/63	6.989,84
OIR202	63	100	Senior	7.063,16

Discount category D

DGS XL SERIES SELF-MOVING MACHINES



FEATURES

- Hydraulic self-moving revolving machine with ground positioning
- Hot-galvanized bearing structure (painted on request)
- Differential thickness polyethylene pipe

STANDARD EQUIPMENT

- Hydraulic lift of cart, drawbar and wheels (on Si 4 model also the brackets can lift)
- Programming for rewind speed regulation on Si 4
- Quick coupling pipes to connect to the tractor for hydraulic system drive
- On Si 4 motor transmission is by double crown gear
- Structure on 4 rocker wheels on Si 4
- Hydraulic device for turret rotation (Si 3 - Si 4)
- 6 speed gear reducer
- Power take-off on the gearbox
- Flanged turbine for reducer
- Partialized flow turbine
- Adjustable track galvanized moving cart
- Glycerin filled pressure gauge
- Manual rewind
- Speed compensator
- Speedometer
- Emptying compressor (Si 3 - Si 4)
- Sprinkler
- Connection hose
- In compliance with CE 89/392 rules

DGS XL SERIES

Model	Code	Type	Ø hose	Lenght	Sprinkler	€	Model	Code	Type	Ø hose	Lenght	Sprinkler	€
DGS XL 1	ASR066	Si 1	100	450	Twin 140	47.969,00	DGS XL 2	ASR075	Si 2	125	450	Twin 202	74.043,00
DGS XL 1	ASR067	Si 1	100	500	Twin 140	56.109,00	DGS XL 2	ASR076	Si 2	125	500	Twin 202	76.824,00
DGS XL 1	ASR068	Si 1	110	400	Twin 160	50.750,00	DGS XL 2	ASR077	Si 2	140	400	Twin 202	75.121,00
DGS XL 1	ASR069	Si 1	110	450	Twin 160	58.385,00							
DGS XL 1	ASR070	Si 1	110	500	Twin 160	61.924,00	DGS XL 3	ASR078	Si 3	125	550	Twin 202	87.509,00
DGS XL 1	ASR071	Si 1	125	380	Twin 202	61.115,00	DGS XL 3	ASR079	Si 3	140	450	Twin 202	85.436,00
DGS XL 1	ASR072	Si 1	125	400	Twin 202	61.992,00	DGS XL 4	ASR081	Si 4	125	650	Twin 202	123.224,00
							DGS XL 4	ASR083	Si 4	140	550	Twin 202	117.308,00

Discount category A

HIGH PRESSURE COUPLING KIT



Code	Mod.	Lenght m	Ø	€
TMN723	FLAT SF 20	2,5	3"	148,00
TMN724	FLAT SF 20	2,5	4"	200,90
TMN726	FLAT SF 20	2,5	6"	332,50
TMN753	FLAT SF 20	5,0	3"	206,30
TMN754	FLAT SF 20	5,0	4"	302,70
TMN756	FLAT SF 20	5,0	6"	499,40

IRRIGATION BOOMS



IRRIGATION BOOMS

Code	Description	Nozzles Ø mm	Width m	Wet strip m	€
AAP010	Low-pressure irrigation boom, rotating, galvanized (cart excluded) brass standard nozzles	4	25	32	REQ.
AAP011	Low-pressure irrigation boom, rotating, galvanized (cart excluded) brass standard nozzles	5	32	40	REQ.
AAP012	Low-pressure irrigation boom, rotating, galvanized (cart excluded) brass standard nozzles	6	42	50	REQ.

Note: other models and widths are available on request

WING SUPPORTING TRUCK

Code	Description	€
AAP100	Wing supporting truck, hot galvanized and adjustable track, 2 fixed wheels and one pivot	REQ.
AAP101	Wing supporting truck with 3 wheels (2 fixed and 1 pivot) for irrigation boom: 25-32 and 32-40	REQ.
AAP102	Wing supporting truck, hot-galvanized, adjustable height by winch 1 ÷ 2,7 m Equipped with 2 fixed wheels and 2 pivot. To be used for 42-50 dripline. So equipped, the irrigation boom won't be either pivot or self-levelling	REQ.

OPTIONAL ACCESSORIES*

Code	Description	€
AAP130	Brass nozzle	REQ.
AAP140	2 filters (2" Ø) with stainless steel cartridge (can be fixed to central body)	REQ.

*For other accessories please contact the technical office or refer to "Self-moving machines" brochure

PIVOT IRRIGATION SYSTEMS



DESCRIPTION

- Main pivot systems
- CENTRAL PIVOT
 - LATERAL PIVOT WITH HOSE
 - LATERAL PIVOT FOR CANAL
 - RACECOURSE SYSTEM

Pivot system prices available on request

MACHINES FOR PE PIPES AND DRIPLINE

BURYING MACHINE FOR SUB-IRRIGATION OF HEAVY DRIPLINE



APPLICATION

- Heavy dripline burying machine



FEATURES

- 2 rows
- Ø 16 or 20 heavy dripline, PC2 type
- Anchors assembled on movable and adjustable parallelogram
- Adjustable load spring
- Double chassis, 2.00 m width
- 2 adjustable wheels
- 2 adjustable coil carriers
- Ardox anchor and vomer of burying machine
- Working depth: 0 ÷ 40 cm

Code	Description	€
AAV209	2 rows burying machine for heavy dripline - 40 cm maximum depth in soil	18.900,00
AAV213	1 rows burying machine for heavy dripline - 40 cm maximum depth in soil	14.620,00

T-R-L FOR UNDERGROUND LIGHT DRIPLINE



APPLICATION

- TRL (tape roller lay) is suitable for deep burying designed according to various models of dripline



FEATURES

- Length can be adjusted for positioning up to 60 cm depth
- The vertical protection is easy to disassemble and clean
- Any internal items is easy to clean and/or to replace

Code	Description	€
AAV206	3 rows injection machine for light dripline, fixed chassis - maximum burial depth: 60 cm	46.310,00

DRIP WING EXTRACTOR



APPLICATION

- Designed to remove the dripline

FEATURES

- Operator platform
- Hydraulic material discharge
- Rotation speed regulator
- Estimated daily harvest of 10 ha of underground hose

DIMENSIONS AND WEIGHT

- Length: 2,600 mm
- Depth: 1,800 mm
- Height: 1,900 mm
- Weight: 680 kg

Code	Description	€
AAV154	2-row wing/cuff puller	24.100,00



UP & DOWN SYSTEM

DESCRIPTION

The **Europrogress, Fiberlane Italia, Herbaria, Perlite Italiana and Scarabelli Irrigazione** companies have come together to create an innovative and original project.

- Putting their experiences together, they have developed a "turnkey" product, which offers customers a complete and highly reliable service, based on the professionalism and skills of the companies.

Up & Down project is characterized by high technological component and allows maximum exploitation of the surface area used for cultivation and the optimization of harvesting time.



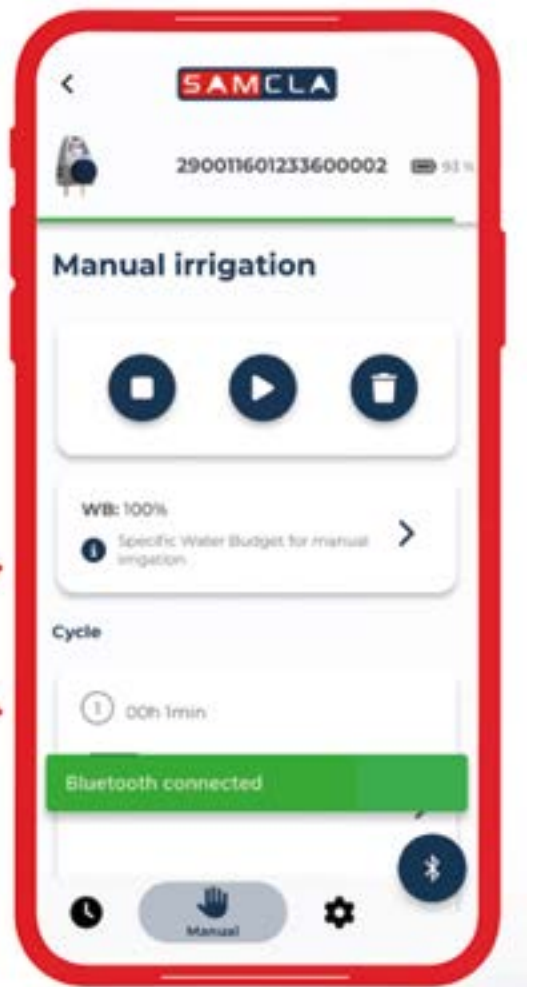
ADVANTAGES OF THE UP & DOWN SYSTEM

- Double number of plants per square meter
- Greater work comfort thanks to the gutters adjustment at man height
- Efficient use of resources thanks to economies of scale
- Optimization of harvesting time
- Facilitation of the activities of harvesting and setting up the crop
- Greater exploitation of the density and of the area used for cultivation

FEATURES AND OPERATION

- The **Up & Down** is a handling system that allows the cultivation channels to be raised and lowered alternately
- The adjustment of the working height to the desired level also allows you to operate in complete comfort
- The installation of the **Up & Down** system is designed and built ad hoc for every design requirement, it is carried out on greenhouses with an adequate capacity for hanging loads, as well as resisting the actions of local environmental loads
- The installation of the **Up & Down** system can be set up also on existing greenhouses - this is possible, after having carried out a preliminary study of the structure and having prepared a reinforcement project where necessary
- The **Up & Down** system is suitable for the production of various soilless crops, such as strawberries, salads and saffron
- With the **Up & Down** it is possible to diversify the cultivation of the greenhouse, planting varieties of different crops (even in different periods)





LANDSCAPE

SPRINKLERS SPRAYERS

Discount category A

VARI JET ON PEG



SPECIFICS

- Vari Jet-peg can be connected to the hose by an included micro hose
- Assembled
- Adjustable flow-rate

PRESSURE/FLOW RATE RATIO

Press. bar	Q _l /h	Coverage m		
		360°	90°	180°
		Ø	Radius	Radius
0,5	41	0 ÷ 2,8	0 ÷ 1,8	0 ÷ 1,7
1,0	58	0 ÷ 4,0	0 ÷ 2,4	0 ÷ 2,4
1,5	72	0 ÷ 4,6	0 ÷ 2,8	0 ÷ 2,7
2,0	84	0 ÷ 5,0	0 ÷ 3,1	0 ÷ 3,0
2,5	95	0 ÷ 5,4	0 ÷ 3,4	0 ÷ 3,2

Code	Len. mm	Cov.	Box	€/each
OGC213	310	360°	10	7,32
OGC216	200	360°	10	6,27
OGC214	310	180°	10	7,32
OGC217	200	180°	10	6,27
OGC215	310	90°	10	7,32
OGC218	200	90°	10	6,27

JET COMPONENTS

SPECIFICS

- A complete jet is composed by 1 peg+1 micro hose+1 sprayer
- Not assembled
- No adjustable flow

Code	Description	Len. mm	Cov.	B.	€/ea.
OAT100	Rigid peg	200		10	0,90
OAT101	Rigid peg	310		10	1,21
OTB050	Rigid peg with adap.	200		10	0,55
OTB051	Rigid peg with adap.	300		10	0,66
OTB052	Rigid peg with adap.	450		10	0,88
OSR092	Sprayer req. thread		360°	10	0,58
OSR091	Sprayer req. thread		180°	10	0,58

MINI SPRAYERS AND ACCESSORIES



SPECIFICS

- Working pressure range: 0,5 ÷ 2,5 bar
- Requested filtration:
blue-130 micron (120 mesh)
green and red - 200 micron (80 mesh)

TECHNICAL FEATURES 1 BAR COVERAGE

Type	Ø mm	Radius m			L/h
		90°	180°	360°	
Blue MICROJET base	1,0	2,0	1,8	4,6	36
Green MICROJET base	1,3	2,2	2,0	5,7	60
Red MICROJET base	1,5	2,3	2,3	6,0	82
White MICROJET base	2,3	3,6	2,8	6,3	150

Code	Descr.	Col.	Cov.	Box	€/each
OSR060	Microjet base	Blue		100	0,23
OSR061	Microjet base	Green		100	0,23
OSR062	Microjet base	Red		100	0,23
OSR065	Microjet base	White		100	0,23
OSR080	Head for Microjet	Black	360°	100	0,22
OSR081	Head for Microjet	Black	180°	100	0,22
OSR082	Head for Microjet	Black	90°	100	0,22



Usable also with Vari Jet-peg

SPRINKLERS SPRAYERS

Discount category A

SHRUBBLER STREAM DRIPPERS-PEG



APPLICATION

- Pots, trees, nursery

SPECIFICS

- High flow-rate stream dripper-peg
- 5 jets - 180°/8 jets - 360°/8jets - 360°PC
- Self-compensation range: 15 ÷ 30 mH2O

FEATURES

- Adjustable flow-rate and wet radius
- 4,5 mm micro hose coupling
- Filtration: 120 mesh

MATERIALS

- Polypropylene

M WET RADIUS - 20 CM H

Model	Working pressure mH2O		
	10	15	20
40 360°	0,50	0,60	0,80
40 180°	0,38	0,52	0,65

PRESSURE/FLOW RATE RATIO

L/h	mH2O		
	10	15	20
40	40	50	60

SHRUBBLER 360° - 180° - 360°PC

Code	L/h	Model	Box	€/each
OGC201	40	360°	25	1,05
OGC220	40	180°	25	1,05
OGC202	40	360°PC	25	1,90

MINIBUBBLER



APPLICATION

- Pots, trees, nursery

SPECIFICS

- High flow-rate stream dripper-peg
- Models: 360°-360°PC
- Self-compensation range: 15 ÷ 30 mH2O

FEATURES

- Adjustable flow-rate and wet radius
- 4,5 mm micro hose coupling
- Filtration: 120 mesh

MATERIALS

- Polypropylene

M WET RADIUS - 20 CM H

Model	Working pressure mH2O		
	10	15	20
360°	0,50	0,80	1,00
360°PC	0,30	0,30	0,40

PRESSURE/FLOW RATE RATIO

L/h	mH2O		
	10	15	20
85	85	103	119

MINIBUBBLER 360° - 360°PC

Code	L/h	Model	Box	€/each
OGC203	85	360°	25	1,05
OGC204	75	360°PC	25	1,91

SPECTRUM



APPLICATION

- Pots, trees, nursery

SPECIFICS

- High flow-rate stream dripper-peg
- Models: 360° - 360°PC
- Self-compensation range: 15 ÷ 30 mH2O

FEATURES

- Adjustable flow-rate and wet radius
- 4,5 mm micro hose coupling
- Filtration: 120 mesh

MATERIALS

- Polypropylene

M WET RADIUS - 20 CM H

Model	Working pressure mH2O		
	10	15	20
360°	1,70	2,80	3,40
360°PC	1,00	1,10	1,10

PRESSURE/FLOW RATE RATIO

L/h	mH2O		
	10	15	20
52	52	65	74

SPECTRUM 360° - 360° PC

Code	L/h	Model	Box	€/each
OGC207	52	360°	25	1,53
OGC210	40	360°PC	25	2,83

DRIPLINE

Discount category A

GR BROWN DRIPLINE



APPLICATION

- Landscape areas
- Perfect for slopes or non-relevant length areas

SPECIFICS

- Brown colour
- Large cylindrical emitters, with turbulent flow labyrinth, lasting reliability, in presence of low quality waters as well
- CV <0,03 (technological variability coefficient) ensures an excellent water distribution
- The high-quality of the used resins, ensures the necessary resistance to highest pressures
- Emitter nominal flow-rate: 2,0 l/h (on request 1,6 and 3,8 l/h)
- Recommended filtration: 120 mesh

FEATURES

- Coextruded dripper
- High resistance to clogging due to a wide turbulent flow labyrinth
- Water intake in the emitter assures to have always the cleanest water
- High-quality materials for a long lifetime

MATERIALS

- Linear PE and PEBD pipe
- Polyethylene emitter

PRESS./FLOW-RATE RATIO

F.-R. l/h	mH2O				
	5	10	15	20	30
2,0	1,38	2,00	2,48	2,89	3,6

TECHNICAL FEATURES

Ø _{nom}	Thick. mm	Ø _{int}	Ø _{ext}	Max P
16,0	1,10	13,70	15,90	45,0

COILS NR. PER SHIPMENT

Cont. 20 Ft HC	Cont. 40 Ft HC	Truck	
			16

Code	Spac. cm	F.-R. l/h	Coil m	€ m	€ coil
TAG568	30	2,0	25	0,39	9,80
TAG564	30	2,0	50	0,37	18,60
TAG561	30	2,0	100	0,35	35,20

SELF-COMPENSATING BROWN DRIPLIN PC2



APPLICATION

- Landscape areas
- Perfect for slopes or relevant length areas

SPECIFICS

- Self-compensating
- Wall thickness: 1,1 mm (43mil)
- Standard flow-rate 2,2 l/h - other flow-rates on request
- Cylindric emitter, with turbulent flow labyrinth and wide passages
- Large intake filter
- CV: 1,5%
- Self-compensation range: 5/45 mH2O
- Recommended filtration: 140 mesh

FEATURES

- High resistance to clogging due to a wide turbulent flow labyrinth
- Water intake in the emitter assures to have always the cleanest water
- Output double hole for a sure erogation

MATERIALS

- Linear PE and PEBD pipe
- Polyethylene emitter
- Silicon membrane

TECHNICAL FEATURES

Ø _{nom}	Thickness	Ø _{int}	Ø _{ext}	Max P
16,00	1,10	13,80	16,00	45,00

COILS NR. PER SHIPMENT

Ø	Container		Truck
	20 Ft HC	40 Ft HC	
16	163	325	435

Code	Description	Spac. cm	Flow-rate l/h	Coil m	€ _{metro}	€ _{coil}
TAG555	PC2 brown	30	2,2	50	0,67	33,50
TAG551	PC2 brown	30	2,2	100	0,64	63,60
TAG552	PC2 brown	40	2,2	100	0,59	58,70
TAG557	PC2 brown	30	2,2	400	0,58	230,70
TAG558	PC2 brown	40	2,2	400	0,53	211,20

Heavy dripline fittings on pages 32, 33, 34

LIGHT SERIES VALVE BOX



Code	Description	Measurements mm	€
OPZ040	Synthetic light resin Mini circular valve box	Ø 213 x h 230	6,50
OPZ041	Synthetic light resin circular valve box	Ø 300 x h 250	9,60
OPZ042	Synthetic light resin rectangular valve box	380 x 510 x h 300	30,40
OPZ043	Synthetic light resin Maxi rectangular valve box	500 x 640 x h 300	43,50
OPZ044	Synthetic light resin Maxi Jumbo rectangular valve box	810 x 590 x h 415	151,60



ORBIT PROGRAMMERS



Dim. max mm	
Hei.	250
Wid.	180
Dep.	110

APPLICATION

- Programmer for simple use residential irrigation systems
- Irrigation cycle duration can be regulated by sliders

SPECIFICS

- Box for heavy use
- Water and UV resistant materials
- Box locking by security and temper resistant key

Code	Description	€
OPG360	4 stations WM-34 programmer	REQ.
OPG361	6 stations WM-36 programmer	REQ.
OPG362	9 stations WM-39 programmer	REQ.
OPG363	12 stations WM-312 programmer	REQ.

Discount category A

NODE PROGRAMMERS



	mm
Ø	89
Dep.	64

Maximum distance	
Cable 1 mm ²	30 m

APPLICATION

- This waterproof, battery-operated controller provides automatic irrigation control for temporary installations and on sites without electricity

SPECIFICS

- Number of stations: 1, 2, 4, or 6 (fixed models)
- Battery-powered programmer
- 2 x 9V alkaline batteries or 1800mAh solar panel with charging cell
- Maximum cable length: 30m, 1mm² cables
- Solar panel includes 12m of direct burial cable
- Station Output: 9-11V DC Latch
- P/MV Output: 9-11V DC Latch (multi-station models)
- Sensor inputs: 1 (rain, frost or wind only, wired)
- Approvals: IP68, UL, cUL, FCC, CE, RCM, ISED
- Warranty: 2 years

FEATURES

- Battery life indicator
- Waterproof seal against water infiltration
- 3 flexible programs - 4 start times each and watering times up to 6 hours
- Watering suspension up to 99 days
- Easy Retrieve memory for backing up all programs
- Seasonal adjustment for faster programming

Code	Description	€
OPG150	1 stations 9V 100 programmer	169,50
OPG152	2 stations 9V 200 programmer	287,20
OPG153	4 stations 9V 400 programmer	339,50
OPG157	6 stations 9V 600 programmer	391,70
OPG174	1 station 9V 100 BT programmer	200,80
OPG175	2 stations 9V 200 BT programmer	293,70
OPG176	4 stations 9V 400 BT programmer	345,50
OPG042	1 stations 100 programmer + valve 1" 9V	230,10
OPG050	1 stations 100 BT programmer + valve 1" 9V	234,40

ECO-LOGIC PROGRAMMERS



	mm
Hei.	126
Wid.	126
Dep.	32

APPLICATION

- The Eco-Logic programmer is suitable for small residential areas and is compatible with water saving accessories

SPECIFICS

- Number of stations: 4 or 6 (fixed models)
- Transformer input: 230 V AC
- Transformer Output (24V AC): 0.625A Station Output (24V AC): 0.56A
- P/MV Output (24V AC): 0.28A Sensor Inputs: 1
- Approvals: UL, cUL, FCC, CE, RCM, ISED
- Warranty period: 2 years

FEATURES

- 2 programs with 4 start times each - watering times up to 4 hours
- QuickCheck technology for diagnosing wiring defects
- Watering suspension up to 7 days
- Seasonal adjustment for faster programming

Code	Description	€
OPG030	Eco-Logic 4 sectors programmer	99,00
OPG002	Eco-Logic 6 sectors programmer	120,30

X-CORE PROGRAMMERS



Indoor mm	
Hei.	165
Wid.	146
Dep.	50

Outdoor mm	
Hei.	220
Wid.	178
Dep.	95

APPLICATION

- This controller allows optional smart irrigation adjustments (ET, evapotranspiration) on site and remote control operations

SPECIFICS

- Number of stations: - 2, 4, 6, or 8 (fixed models)
- Transformer input: 230 V AC
- Transformer Output: (24V AC - 1A)
- Station Output: 24V AC - 0.56A
- P/MV Output: 24V AC- 0.28A
- Sensor inputs: 1
- Approvals: IP54, UL, cUL, FCC, CE, RCM, ISED
- Warranty period: 2 years

FEATURES

- Solar Sync sensor to save water depending on local weather conditions
- Lockable on outdoor models
- 3 flexible programs with 4 start times each - watering times up to 4 hours
- QuickCheck technology FOR diagnosing wiring defects
- Hide programs setting for easier viewing
- Watering suspension up to 99 days
- Short circuit protection
- Easy Retrieve memory for backing up all programs
- Departure delay between stations can be set
- The cycle and absorption function avoids water waste and runoff in areas with variations in height or in poorly permeable soil
- Seasonal adjustment for faster programming

Code	Description	€
OPG041	2 stations XC-201 Indoor programmer	125,80
OPG040	4 stations XC-401 Indoor programmer	142,60
OPG038	6 stations XC-601 Indoor programmer	159,40
OPG037	8 stations XC-801 Indoor programmer	201,30
OPG044	4 stations XC-401 Outdoor programmer	222,20
OPG045	6 stations XC-601 Outdoor programmer	256,40
OPG046	8 stations XC-801 Outdoor programmer	307,60

Discount category A

X2 PROGRAMMERS



	mm
Hei.	230
Wid.	190
Dep.	100

APPLICATION

- This internet-ready controller allows for quick programming and offers advanced water-saving features

SPECIFICS

- Number of stations: - 4, 6, 8 or 14 stations (fixed models)
- Compatible with Amazon Alexa, Control4® and HomeSeer
- Transformer input: 230 V AC
- Transformer output: 24 V AC - 1 A
- Station output: 24 V AC - 0.56 A
- P/MV output: 24 VAC - 0.28 A
- Sensor inputs: 1
- Programmer approvals: plastic IP55, UL, cUL, FCC, CE, RCM, ISED
- Module approvals: Wi-Fi b/g/n, Bluetooth® 5.0, UL, cUL, FCC, CE, RCM, ISED
- Warranty period: 2 years

FEATURES

- Wi-Fi programmer automatically managed by Hydrowise software
- The backlit display
- 3 flexible programs with 4 start times each - watering times up to 6 hours
- QuickCheck technology FOR diagnosing wiring defects
- Hide programs setting for easier viewing
- Watering suspension up to 99 days
- Short circuit protection
- Easy Retrieve memory for backing up all programs
- Departure delay between stations can be set
- The cycle and absorption function avoids water waste and runoff in areas with variations in height or in poorly permeable soil
- Seasonal adjustment for faster programming
- Allows you to manage irrigation online
- The standard ABC programming option allows you to use 3 independent watering programs with 6 start times each and watering times up to 24 hours
- The Predictive Watering feature ensures accurate weather-based adjustments to maximize water savings

Code	Description	€
OPG364	X2 programmer - 4 sectors	232,60
OPG365	X2 programmer - 6 sectors	265,80
OPG366	X2 programmer - 8 sectors	318,70
OPG367	X2 programmer - 12 sectors	551,20
OPG368	Wi-Fi Wand module	254,30

PRO-C PROGRAMMERS



	mm
Hei.	229
Wid.	254
Dep.	114

APPLICATION

- Simple programming and flexible station expansion make Pro-C the professionals' choice when dealing with smaller residential and commercial systems

SPECIFICS

- Number of modular Pro-C stations:
- Standard wiring from 4 to 23 stations
- Hybrid option with EZ decoder up to 32 total stations (28 stations maximum with single cable system only)
- Transformer input: 230 V AC
- Transformer Output: 24V AC- 1A
- Station Output: 24V AC- 0.56A
- P/MV Output: 24V AC- 0.28A
- Approvals: IP44UL, cUL, FCC, CE, RCM, ISED
- Warranty period: 2 years

FEATURES

- 3 independent watering programs with 4 start times each
- 1 sensor input compatible with Solar Sync or any Klik sensor
- 1 P/MV output for pump start relay and main valve activation
- Add a Solar Sync sensor to save water depending on local weather conditions
- QuickCheck technology FOR diagnosing wiring defects
- Easy Retrieve memory for backing up all programs

Code	Description	€
OPG043	Pro-C 4 stations programmer	366,00
OPG117	3 stations expansion - increases the number of sectors from 4 to 7, from 7 to 10 and from 10 to 13	113,90
OPG113	9 stations expansion - can be used to increase the number of sectors only from 7 to 16	422,20

HC PROGRAMMERS



	mm
Hei.	152
Wid.	178
Dep.	33

APPLICATION

- The HC controller, designed for residential projects, offers intelligent water saving and remote irrigation management capabilities

SPECIFICS

- Number of stations: 6 or 12 (fixed models)
- Transformer input: or 230 V AC
- Transformer output: 24 Vac - 1 A
- Station Output: 24V AC- 0.56A
- P/MV Output: 24V AC-0.28A
- Compatible with 2.4 GHz 802, 11 b/g/n 20 MHz Wi-Fi router
- Supported security protocols: WPA/WPA2 Personal, TLS, SSL
- Approvals: UL, cUL, FCC, CE, RCM, ISED
- Warranty period: 2 years

FEATURES

- The standard programming option allows you to use 6 independent watering programs with 6 start times each
- The advanced programming option offers the possibility to program each station individually by setting up to 6 departure times
- 2 sensor inputs for use with any Klik sensor or HC flow meter
- Station outputs can also be used to activate a pump start relay or master valve
- Wi-Fi enabled for fast connection to Hydrowise software
- 7cm full-colour touchscreen for easy programming from the control panel
- Integrated milliamp sensor for detection and notification of wiring defects (12-zone models)
- The wireless HC flow meter allows wireless flow monitoring in Hydrowise-ready systems

Code	Description	€
OPG582	Prog. HC Hydrowise ID - 6 sectors	708,50
OPG159	Prog. HC Hydrowise ID - 12 sectors	829,00

HCC PROGRAMMERS



Plastic		Metal	
	mm		mm
Hei.	305	Hei.	406
Wid.	350	Wid.	330
Dep.	127	Dep.	127

APPLICATION

- Harness the power of Hydrowise in residential, corporate or public sector projects

SPECIFICS

- Number of stations: Base model: 8 to 38 (plastic), 8 to 54 (metal and with pedestals) With EZDS cable: up to 54 (all cabinet types)
- Transformer Input: 120/230V AC
- Transformer Output (24VAC): 1.4A
- Station Output (24V AC): 0.56A
- P/MV Output (24V AC): 0.56A
- Compatible with 2.4 GHz Wi-Fi router (only), 802.11 b/g/n 20 MHz
- Supported security protocols: WPA/WPA2 Personal (only), TLS, SSL

FEATURES

- Any 2 programs or stations can run simultaneously
- 2 sensor inputs for use with any Klik sensor or HC flow meter
- 1 P/MV output for pump start relay and Master Valve activation
- 8cm full-colour touchscreen for easy programming from the control panel
- Integrated milliamp sensor for detection and notification of wiring defects
- Approvals: IPSS Plastic Wall Mount (Outdoor), IP24 Plastic Pedestal, UL, cUL, FCC, CE, RCM, ISED
- Warranty period: 2 years

Code	Description	€
OPG369	Prog. HCC plastic - 8 sectors	1.267,60
OPG370	Prog. Metal HCC - 8 sectors	1.952,00

Discount category A

PRO-HC PROGRAMMERS



	mm
Hei.	228
Wid.	250
Dep.	100

APPLICATION

- Professional Wi-Fi programmer for residential or small commercial applications

SPECIFICS

- Number of stations: 6, 12 or 24 (fixed models)
- Transformer input: 230 VAC
- Transformer output (24 Vac): 1 A
- Station output (24 Vac): 0.56 A
- P/MV Output (24V AC): 0.28A
-
-
- Compatible with 2.4 GHz Wi-Fi router (only), 802.11 b/g/n 20 MHz
- Supported security protocols: WPA/WPA2 Personal (only), TLS, SSL
- Approvals: IP44 (external), UL, cUL, FCC, CE, RCM, ISED
- Warranty period: 2 years

FEATURES

- The standard programming option allows you to use 6 independent watering programs with 6 start times each
- The advanced programming option offers the possibility to program each station individually by setting up to 6 departure times
- 2 sensor inputs for use with any Klik sensor or HC flow meter
- 1 P/MV output for pump start relay and Master Valve activation
- Wi-Fi enabled for fast connection to Hydrawise software
- 7cm full-colour touchscreen for easy programming from the control panel
- Integrated milliamp sensor for detection and alerts of wiring defects
- HC wireless flow meter allows wireless flow monitoring in Hydrawise-ready systems

Code	Description	€
OPG650	PRO-HC 6 stations	893,50
OPG651	PRO-HC 12 stations	1.058,00
OPG652	PRO-HC 24 stations	1.852,00

HPC PROGRAMMERS



	mm
Hei.	229
Wid.	254
Dep.	114

APPLICATION

- This control solution combines the modularity of the Pro-C programmer with the power of the Hydrawiser software

SPECIFICS

- Number of stations:
- Standard wiring from 4 to 23 stations
- Hybrid option with EZ decoder up to 32 total stations (28 stations maximum with single cable system only)
- Transformer Input: 230V AC
- Transformer output: 24 Vac: 1 A
- Station output: 24 Vac-0.56 A
- P/MV Output: 24V AC - 0.28A
- Compatible with 2.4 GHz Wi-Fi router (only), 802.11 b/g/n 20 MHz
- Supported security protocols: WPA/WPA2 Personal! (only), TLS, SSL
- Approvals: IP44 (external), UL, cUL, FCC, CE, RCM, ISED
- Warranty period: 2 years

FEATURES

- Standard programming allows you to set 6 independent watering programs with 6 start times each
- Advanced programming allows you to program each station individually by setting up to 6 departure times
- 1 sensor input for use with any Klik sensor or HC flow meter
- 1 P/MV output for pump start relay and Master Valve activation
- Wi-Fi enabled for fast connection to Hydrawise software
- 7cm full-colour touchscreen for easy programming from the control panel
- Integrated milliamp sensor for detection and alerts of wiring defects
- HC wireless flow meter allows wireless flow monitoring in Hydrawise-ready systems

Code	Description	€
OPG598	HPC 4 stations	640,00

ICC2 PROGRAMMERS



Plastic		Metal	
	mm		mm
Hei.	305	Hei.	406
Wid.	350	Wid.	330
Dep.	127	Dep.	127

APPLICATION

- This flexible control system can operate conventionally or single-track, with the option to upgrade to the cloud-based Centralus system

SPECIFICS

- Number of stations:
- Base model: 8 to 38 (plastic), 8 to 54 (metal and with stand)
- With EZDS single cable: up to 54 (all cabinet types)
- Transformer Input: 230V AC
- Transformer output: 24 Vac: 1 A
- Station output: 24 Vac-0.56 A
- P/MV Output: 24V AC - 0.28A
- Approvals: IP55 wall mount (outdoor), IP24 plastic pedestal, UL, cUL, FCC, CE, RCM, ISED
- Warranty period: 5 years

FEATURES

- 4 independent watering programs (with 8 start times each)
- Any 2 programs can run simultaneously
- 1 sensor input available, for use with Solar Sync or any Klik sensor
- 1 P/MV output for pump start relay and Master Valve activation
- You can upgrade to Centralus software for web-based centralized control options
- WIFIKIT, LANKIT or CELLKIT communications for cloud-based control of Centralus
- Compatible with Flow-Klik sensor for stopping in case of extremely high flow
- Compatible with the Solar Sync sensor

Code	Description	€
OPG577	ICC2 8 plastic stations expandable to 38	760,80
OPG578	ICC2 8 metal stations expandable to 54	1.601,50
OPG054	4 stations module - ICM-400	218,00
OPG576	8 stations module - ICM-800	398,50
OPG574	22 stations module - ICM-2200	781,70

ICD-HP PROGRAMMERS



	mm
Hei.	210
Wid.	90
Dep.	50



APPLICATION

- ICD and DUAL decoders offer portable, wireless programming and diagnostic capabilities

SPECIFICS

- Program or reprogram decoder stations, new or installed (not compatible with EZ-1 decoders)
- USB powered for office or shop use; 4 AA batteries for field use
- Adjustable backlit display
- Display in 6 languages
- Power: 4 AA batteries or standard USB connector (included)
- Communications: wireless induction, 25 mm range
- Fused test leads for unpowered decoder functions
- Approvals: UL, cUL, FCC, CE, RCM

FEATURES

- Program any station number in any order or skip stations for future expansion
- Simplifies the installation and diagnostics of sensor decoders
- Functions to perform tests on Klik and flow sensors with integrated multimeter
- It communicates with the decoder through the plastic box
- Compatible with both Hunter ICD and previous DUAL decoders, and with Pilot bidirectional modules
- All test leads and cables are contained in a durable, foam-padded carrying case
- Turns on decoder stations and displays solenoid status, milliamp current and more
- Waterproof programming base

Code	Description	€
OPG597	ICD-HP programmer	2.394,80

Discount category A

ACC2 PROGRAMMERS



Plastic		Metal	
	mm		mm
Hei.	420	Hei.	400
Wid.	420	Wid.	400
Dep.	170	Dep.	180

APPLICATION

- ACC2's multi-range monitoring and management capabilities, with the ability to upgrade to cloud-based Centralus control, make this system best suited for complex projects

SPECIFICS

- Number of stations: 12 to 225, for large projects
- Transformer input: 230 V approx
- Maximum AC current draw: 230VAC, 1A
- Transformer output: 24 VAC, -3 A
- P/MV outputs (24 V AC): up to 6; 3 included, 0.8 A each
- Sensor inputs: 3 Clik, 1 Solar Sync and up to 6 flow sensors (3 included)
- Approvals: IP55 wall mount (outdoor), IP24 plastic pedestal, UL, cUL, FCC, CE, RCM, ISED
- Warranty period: 5 years

FEATURES

- Up to 6 inputs for flow sensors and 6 P/MV outputs
- 32 automatic programs (10 departure times each) for precise management of the facilities
- Block function to group stations and consolidate larger systems
- Add a Solar Sync sensor to save water depending on local weather conditions
- Real-time flow monitoring detects and diagnoses leaks for up to 6 flow zones
- Flow management optimizes irrigation
- High visibility full-color screen with reversible front panel
- Programming according to "if/then" conditional logic for active responses to sensor detections
- User management password protection, with two levels of access
- Optional plug-in communication modules for cloud or network control
- Detailed alarm logs
- Lightning protection
- Easy Retrieve memory allows you to back up and restore programs
- Windows without watering to avoid accidental watering
- Centralus centralized control system available with Wi-Fi, LAN and data connections

Code	Description	€
OPG612	ACC2 programmer 12 metal stations -A2C-1200-m	2.750,00
OPG579	Module + 6 stations x ACC2 - A2M600	816,00
OPG575	Programmer. Metal W/AC2 decoder 75 stations	4.115,00
OPG613	Decoder module 75 stations x r ACC2 - A2C-D75	1.373,20

Plastic models on request

ICD



APPLICATION

- ACC2 premium single-cable controller decoders include bi-directional communication and a built-in surge protector

SPECIFICS

- ICD decoders are compatible with ACC2 decoder programmers and older ACC-99D decoder programmers
- 1, 2, 4 and 6 station versions

FEATURES

- Sensor decoders allow monitoring of Clik and flow sensors via the single cable
- Field programmable decoders accept station numbers directly and do not require serial numbers to be entered into the control panel
- Decoders can be programmed before installation in the programmer interface
- Wireless programming with ICD-HP allows programming or reprogramming of the decoder after installation on the cable
- Built-in overvoltage limitation
- Wiring with color codes
- DBRY-6 waterproof industrial connectors included
- Maximum recommended distance between decoder and solenoid: 45 m

Code	Model	Height	Length	Depth	€
		mm			
OPG565	Decoder ICD-100 1 station	92	38	127	208,20
OPG566	Decoder ICD-200 2 stations	92	38	127	461,30
OPG567	ICD-400 4 station decoder	92	46	38	579,10
OPG568	ICD-600 6 station decoder	92	46	38	931,70
OPG570	Hunter ICD-SEN sensor decoder	92	38	127	1.184,60

Discount category A

SYSTEM WITH EZ DECODER

APPLICATION

- The EZ decoder system for Pro-C, HPC, ICC2 and HCC programmers allows you to take advantage of all the advantages of single-cable technology

SPECIFICS

- Number of stations:
 - Pro-C/HPC: up to 28 stations, plus one master valve
 - ICC2/HCC: up to 54 stations, plus one master valve
- Output on the single cable: 24 V AC, 50/60 Hz
- Approvals: UL, cUL, FCC, CE, RCM, ISED
- EZ-1 decoders are IP68 certified as submersible
- Warranty period: 3 years

FEATURES

- It requires no special cables or connectors
- No special grounding or line surge protection is required
- Programmable decoders that do not require entering individual serial numbers
- P/MV can activate distant installations via the single cable
- EZ-1 decoders are equipped with a status LED to verify operation
- Two single cables in the field: EZ-DM: 2 PC-DM: 1
- Single cable usable up to 1 km
- Each EZ-1 decoder can activate two standard 24V AC solenoids
- For more efficient irrigation you can run any two decoders at the same time (only with ICC2 and HCC)
- Centralus software with ICC2
- Hydrowise software (cable connector compatible) with HPC and HCC
- EZ-DT wireless diagnostic tool for EZ-1 decoders



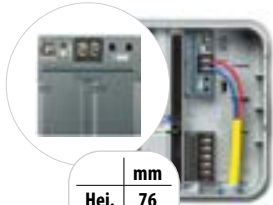
	mm
Hei.	73
Wid.	42
Dep.	16

Decoder per stazione singola



	mm
Hei.	115
Wid.	64
Dep.	42

Decoder output module: EZ-DM



	mm
Hei.	76
Wid.	76
Dep.	32

Decoder output module: PC-DM

Code	Description	€
OPG581	EZ1 decoder in single cable system	162,00
OPG603	EZ-DT diagnostic tool for ez decoder	731,50
OPG601	EZ-DM x progr. decoder module ICC2 and HCC	570,00
OPG602	PC-DM X progr. decoder module PRO-C AND HPC	456,50

RAIN-CLIK

APPLICATION

- To avoid wasting water, the integrated Quick Response system immediately stops irrigation as soon as it starts to rain

SPECIFICS

- Quick Response technology activates immediate stopping of irrigation in case of rain
- The frost sensor stops the operation of the system at 3 °C
- Quick Response Technology:
- Irrigation system shutdown time: approximately 2 to 5 minutes
- Quick Response recovery time approximately 4 hours in dry, sunny conditions
- Recovery time if completely wet: approximately 3 days in dry, sunny conditions
- Switch category of all models: 24 VAC- 3 A
- Hardwired models include 7m of UL-listed 0.5mm² sheathed cable
- Operating frequency of the wireless model: 433 MHz
- Model wireless range: 243 m WITH sensor visible from the receiver
- Multiple wireless receivers can be operated from a single wireless sensor
- Approvals: UL, cUL, FCC, CE, RCM
- Warranty period: 5 years

FEATURES

- The wireless sensor kit simplifies installation
- Maintenance free, with integrated battery in wireless models
- The adjustable ventilation window allows for a shorter or longer recovery period
- Includes gutter bracket and wall mount on wireless models
- Optional gutter mount for wired models (included with WR-CLIK and WRF-CLIK)
- Compatible with most normally open or normally closed irrigation controllers
- Protection for wireless sensors capable of resisting vandalism for mounting on flat surfaces, on pole on pedestal (sensor NOT INCLUDED)

Code	Description	Height	Length	Width	€
		mm			
OSN201	Wired sensor	60	180	25	79,20



MINI-CLIK

APPLICATION

- This sensor stops scheduled watering when it detects a preset rainfall level

SPECIFICS

- The sensor automatically stops watering in case of rain, with adjustable values from 3 mm to 19 mm
- Debris resistant to ensure reliable operation without stopping
- Compatible with most normally open or normally closed irrigation controllers
- Switch Category (24V AC): 3A
- Includes 7 m of 0.5 mm² sheathed cable with UL approval
- Approvals: UL, cUL, FCC, CE, RCM
- Warranty period: 5 years
- Optional Gutter Adapter (P/N SGM)

Code	Description	Height	Length	Width	€
		mm			
OSN202	Mini Klik rain sensor	50	150	25	78,30





PROGRAMMER ACCESSORIES

Code	Description	€
OSN206	Solar Sync Wireless sensor, receiver and gutter mount	450,40
OPG373	Roam Kit 300 m remote control system	572,00
OPG374	Roamr 300 m receiver	320,20
OPG375	Roam xl Remote Control System Kit 3 km	1.801,70
OPG376	Roamr xlr 3 km receiver	904,20



Discount category A

ELECTROVALVES




PGV SERIES 24 V AC

Code	Article	Ø	PN	Q _{max} m ³ /h	Box	€/each
OVA132	FF-PGV-101G-B	1"	10	9,0	20	40,20
 OVA133	MM-PGV-101MM-B	1"	10	9,0	20	37,02
OVA139	PGV-100FF-G-B	1"	10	9,0	20	39,20
 OVA134	FF-PGV-151-B	1"½	10	27,0	8	127,80
OVA135	FF-PGV-201-B	2"	10	34,0	8	156,40

PGV SERIES 9 V DC

Code	Article	Ø	PN	Q _{max} m ³ /h	Box	€/each
 OVA136	FF-PGV-101G-B-DC	1"	10	9,0	24	61,10
 OVA137	FF-PGV-151-B-DC	1"½	10	27,0	8	161,20
OVA138	FF-PGV-201-B-DC	2"	10	34,0	8	191,30

ICV SERIES 24 V AC

Code	Article	Ø	PN	Q _{max} m ³ /h	Box	€/each
 OVA150	ICV-101G-B	1"	15	9,0	12	125,00
 OVA151	ICV-151G-B	1" ½	15	34,0	8	163,40
 OVA152	ICV-201G-B	2"	15	45,0	8	211,60
OVA153	ICV-301-B	3"	15	68,0	1	692,20

PGV mm			
Ø	Hei.	Len.	Wid.
1"	130	110	60
1"½	190	150	110
2"	200	170	130

ICV mm			
Ø	Hei.	Len.	Wid.
1"	140	120	100
1"½	180	170	140
2"	180	170	140
3"	270	220	190

ACCU SYNC PRESSURE REGULATORS

APPLICATION

- Pressure adjustment for any Hunter valve.

SPECIFICS

- Adjustment from 1.4 to 7.0 bar
- Static pressure: 10 bar
- Required dynamic pressure differential: 1.0 bar
- Works with AC and DC latching solenoids
- Works with any Hunter valve
- Warranty period: 2 years



AS-ADJ

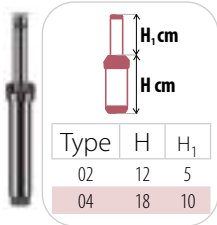


Solenoid adapter

Code	Description	€
FRP058	Pressure regulator 1.4 ÷ 7 bar	102,00

SPRAYS

PS ULTRA



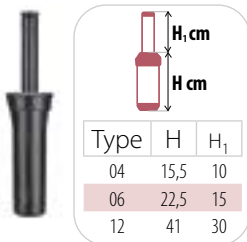
SPECIFICS

- Pressure: 1,4 ÷ 4,8 bar
- Compatible with all 0 ½ "female heads
- Ø ½" female threaded connection

Code	Description	Box	€/each
OIS254	PS Ultra 02 Without/Nozzle	50	4,55
OIS250	PS Ultra 02 10 A	50	4,90
OIS251	PS Ultra 02 12 A	50	4,90
OIS252	PS Ultra 02 15 A	50	4,90
OIS253	PS Ultra 02 17 A	50	4,90

Code	Description	Box	€/each
OIS255	PS Ultra 04 10 A	50	4,90
OIS256	PS Ultra 04 12 A	50	4,90
OIS257	PS Ultra 04 15 A	50	4,90
OIS258	PS Ultra 04 17 A	50	4,90
OIS261	PS Ultra 04 REG 55S	50	5,40

PRO-SPRAY 04



SPECIFICS

- Pressure: 1,0 ÷ 7,0 bar
- Compatible with all ½" female heads
- Fitting: ½" female threaded

FEATURES

- Innovative purge cap
- High-performing return spring
- Innovative form seal
- Option: anti-draining valve

Code	Model	Box	€/each
OIS219	Pro-Spray 04	50	4,10
OIS241	Pro-Spray 06	50	21,80
OIS214	Pro-Spray 12	50	30,80

PRO-SPRAY PRO FIXED NOZZLES



	Models						Box	€/each			
	5	8	10	12	15	17					
Color	blue	brown	red	green	black	grey					
Radius m	1,5	2,4	3,0	3,7	4,6	5,2					
	Codes						Box	€/each			
	Q 90°	U444	U441	U437	U433	U427			U421	10	2,90
	H 180°	U443	U439	U435	U431	U425			U420	10	2,90
	F 360°	U442	U438	U434	U428	U422				10	2,90

PRO-SPRAY PRO ADJUSTABLE NOZZLES



	Models					Box	€/each
	8A	10A	12A	15A	17A		
Color	brown	red	green	black	grey		
Radius m	2,4	3,0	3,7	4,6	5,2		
	U355	U356	U357	U358	U359	10	2,60

Discount category A

MP ROTATOR NOZZLES



APPLICATION

- Can be used on any static sprinkler (male coupling)
- Considerable throw-ranges by very low water consumption, thus allowing to solve problems related to scarce flow-rates, rotating movement allows moreover a better water distribution

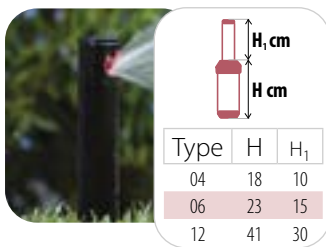
SPECIFICS

- Multiple jets
- Multiple jets with wind-resistance throw-range
- Mountable intake filter
- Adjustable arc
- Radius reduction up to 25%

Code	Description	Model	Angle	Throw range m	Box	€/each
U159	Adjustable MP Rotator nozzle	MP800	90 ÷ 210	1,8 ÷ 3,5	10	16,30
U160	MP Rotator nozzle	MP800	360	1,8 ÷ 3,5	10	16,30
U156	Adjustable MP Rotator nozzle	MP815	90 ÷ 210	2,5 ÷ 4,9	10	16,30
U157	Adjustable MP Rotator nozzle	MP815	210 ÷ 270	2,5 ÷ 4,9	10	16,30
U158	MP Rotator nozzle	MP815	360	2,5 ÷ 4,9	10	16,30
U161	Adjustable MP Rotator nozzle	MP1000	90 ÷ 210	2,5 ÷ 4,5	10	16,30
U162	Adjustable MP Rotator nozzle	MP1000	210 ÷ 270	2,5 ÷ 4,5	10	16,30
U163	MP Rotator nozzle	MP1000	360	2,5 ÷ 4,5	10	16,30
U164	Adjustable MP Rotator nozzle	MP2000	90 ÷ 210	4,0 ÷ 6,4	10	16,30
U165	Adjustable MP Rotator nozzle	MP2000	210 ÷ 270	4,0 ÷ 6,4	10	16,30
U166	MP Rotator nozzle	MP2000	360	4,0 ÷ 6,4	10	16,30
U167	Adjustable MP Rotator nozzle	MP3000	90 ÷ 210	6,7 ÷ 9,1	10	16,30
U168	Adjustable MP Rotator nozzle	MP3000	210 ÷ 270	6,7 ÷ 9,1	10	16,30
U169	MP Rotator nozzle	MP3000	360	6,7 ÷ 9,1	10	16,30
U172	MP Rotator nozzle left corner strip	MP-LCSS15	-	1,5 ÷ 4,6	10	16,30
U173	MP Rotator nozzle right corner strip	MP-RCSS15	-	1,5 ÷ 4,6	10	16,30
U171	MP Rotator Side Strip Nozzle	MP-SS530	-	1,5 ÷ 9,1	10	16,30
U170	MP Rotator Corner Nozzle	MP-CORNER	45 ÷ 105	2,5 ÷ 4,5	10	16,30

MEDIUM THROW-RANGE ROTORS

PGJ



SPECIFICS

- Throw range: 4,3 ÷ 11,6 m
- Pressure: 1,7 ÷ 3,8 bar
- Nozzles flow-rate: 0,13 ÷ 1,23 m³/h
- Fitting: ½" female threaded
- Adjustable angle: 40° ÷ 360°
- Lifting height: 10,0 cm

FEATURES

- Interchangeable mouthpiece set - 8 pcs
- Nozzles angle: 14°
- Adjustment screw
- Arc adjustment by head

Code	Model	Box	€/each
OID630	PGJ 04	25	25,60
OID628	PGJ 06	25	52,90
OID639	PGJ 12	25	75,50

SRM



SPECIFICS

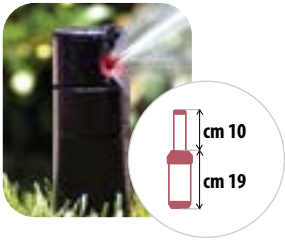
- Throw range: 4,0 ÷ 9,4 m
- Pressure: 1,7 ÷ 3,8 bar
- Nozzles flow-rate: 0,08 ÷ 0,82 m³/h
- Fitting: ½" female threaded
- Adjustable angle: 40° ÷ 360°

FEATURES

- Interchangeable mouthpiece set - 6 pcs
- Nozzles angle: 15°
- Adjustment screw
- Arc adjustment by head

Code	Box	€/each
OID632	25	19,60

PGP-ADJ



SPECIFICS

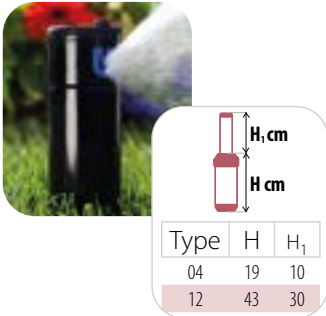
- Throw range: 6,4 ÷ 15,8 m
- Pressure: 1,7 ÷ 4,5 bar
- Nozzles flow-rate: 0,10 ÷ 3,22 m³/h
- ¾" female threaded fitting
- Adjustable angle: 40° ÷ 360°

FEATURES

- Interchangeable mouthpiece set - 16 pcs
- Rubber cap
- Nozzles angle: 25°(red) - 13° (grey)
- Adjustment screw
- Arc adjustment by head

Code	Box	€/each
OID631	25	23,40

PGP-ULTRA



SPECIFICS

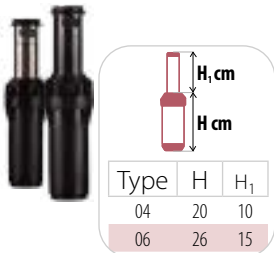
- Throw range: 4,9 ÷ 14,0 m
- Pressure: 1,7 ÷ 4,5 bar
- Nozzles flow-rate: 0,07 ÷ 3,23 m³/h
- ¾" female threaded fitting
- Adjustable angle: 40° ÷ 360°

FEATURES

- Interchangeable mouthpiece set - 2 pcs
- Rubber cap
- Nozzles angle: 25°(red) - 13° (grey)
- Adjustment screw
- Arc adjustment by head

Code	Model	Box	€/each
OID633	PGP 04 Ultra	20	27,90
OID647	PGP 12 Ultra	20	87,40

I25



SPECIFICS

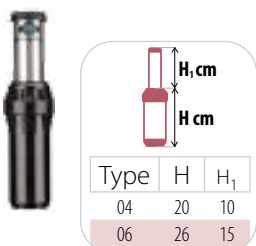
- Throw range: 11,96 ÷ 21,6 m
- Pressure: 2,5 ÷ 7,0 bar
- Nozzles flow-rate: 0,82 ÷ 7,24 m³/h
- 1" female threaded fitting
- Adjustable angle: 50° ÷ 360°

FEATURES

- Interchangeable mouthpiece set - 5 pcs
- Nozzles angle: 25°
- Adjustment screw
- OID634 plastic body
- OID635 stainless steel body
- Arc adjustment by head

Code	Model	Box	€/each
OID634	I25 - 04 B	25	106,10
OID635	I25 - 04 SST	25	140,00
OID638	I25 - 06 SST	25	171,10

I40



SPECIFICS

- Throw range: 13,1 ÷ 23,2 m
- Pressure: 2,5 ÷ 7,0 bar
- Nozzles flow-rate: 1,63 ÷ 6,84 m³/h
- 1" female threaded fitting
- Adjustable angle: 50° ÷ 360°

FEATURES

- Interchangeable mouthpiece set - 6 pcs
- Nozzles angle: 25°
- Adjustment screw
- Stainless steel piston body
- Arc adjustment by head

Code	Model	Box	€/each
OID640	I40 - 04 SSB	25	202,70
OID642	I40 - 06 SSB	25	242,80

SPRAYS



Code	Description	Pop-up height cm	Tvan nozzle	Throw m	Coupling F	Box	€/each
OIS149	LPS fixed sprinklers	5,0	8	2,4	½"	100	5,50
OIS150	LPS fixed sprinklers	5,0	10	3,0	½"	100	5,50
OIS152	LPS fixed sprinklers	5,0	12	3,6	½"	100	5,50
OIS155	LPS fixed sprinklers	5,0	15	4,5	½"	100	5,50
OIS157	LPS fixed sprinklers	5,0	17	5,2	½"	100	5,50
OIS179	LPS fixed sprinklers	10,0	8	2,4	½"	50	5,50
OIS180	LPS fixed sprinklers	10,0	10	3,0	½"	50	5,50
OIS182	LPS fixed sprinklers	10,0	12	3,6	½"	50	5,50
OIS185	LPS fixed sprinklers	10,0	15	4,5	½"	50	5,50
OIS187	LPS fixed sprinklers	10,0	17	5,2	½"	50	5,50



Code	Description	Pop-up height cm	Model 570	Coupling F	Box	€/each
OIS011	570 fixed sprinklers only body	5,0	2P	½"	100	7,50
OIS001	570 fixed sprinklers only body	7,5	3P	½"	100	7,40
OIS002	570 fixed sprinklers only body	10,0	4P	½"	50	7,20
OIS013	570 fixed sprinklers only body With check valve		4P COM	½"	1	14,80
OIS003	570 fixed sprinklers only body	15,0	6P	½"	1	22,10
OIS021	570 fixed sprinklers only body Base and side coupling		6 PSI	½"	1	28,50
OIS004	570 fixed sprinklers only body	30,0	12P	½"	1	34,20
OIS010	570 fixed sprinklers only body Base and side coupling		12 PSI	½"	1	37,90
OIS040	570 fixed sprinklers only body	10,0	4P XF	½"	1	12,60
OIS041	570 fixed sprinklers only body	15,0	6P- XF	½"	1	30,50
OIS042	570 fixed sprinklers only body	30,0	12P XF	½"	1	43,20

SPRAYS NOZZLES



Code	Model	Box	€/each
U106	570 5-Q-pc 90° - 89-1488	25	4,25
U107	570 5-T-pc 120° - 89-1485	25	4,25
U108	570 5-H-pc 180° - 89-1482	25	4,25
U109	570 5-TT-pc 240° - 89-1479	25	4,25
U110	570 5-TQ-pc 270° - 89-1476	25	4,25
U111	570 5-F-pc 360° - 89-1473	25	4,25
U101	570 8-T-pc 120° - 89-1467	25	4,25
U102	570 8-H-pc 180° - 89-1464	25	4,25
U103	570 8-TT-pc 240° - 89-1461	25	4,25
U104	570 8-TQ-pc 270° - 89-1458	25	4,25
U105	570 8-F-pc 360° - 89-1455	25	4,25
U013	570 10-Q-pc 90° - 89-1452	25	4,25
U080	570 10-T-pc 120° - 89-1449	25	4,25
U014	570 10-H-pc 180° - 89-1446	25	4,25
U081	570 10-TT-pc 240° - 89-1443	25	4,25






Code	Model	Box	€/each
U082	570 10-TQ-pc 270° - 89-1440	25	4,25
U015	570 10-F-pc 360° - 89-1437	25	4,25
U023	570 10-SSH-pc180° 89-1521	25	4,25
U007	570 12-Q-pc 90° - 89-1434	25	4,25
U008	570 12-T-pc120° - 89-1431	25	4,25
U009	570 12-H-pc 180° - 89-1428	25	4,25
U010	570 12-TT-pc 240° - 89-1425	25	4,25
U011	570 12-TQ-pc 270° - 89-1422	25	4,25
U012	570 12-F-pc 360° - 89-1419	25	4,25
U001	570 15-Q-pc 90° - 89-1416	25	4,25
U002	570 15-T-pc 120° - 89-1413	25	4,25
U003	570 15-H-pc180° - 89-1410	25	4,25
U004	570 15-TT-pc240° - 89-1407	25	4,25
U005	570 15-TQ-pc270° - 89-1404	25	4,25
U006	570 15-F-pc 360° - 89-1401	25	4,25





Code	Model	Box	€/each
U124	570 TVAN-8 A.R.30-360° 2,4 m	25	4,25
U120	570 TVAN-10 A.R.30-360° 3,0 m	25	4,25
U121	570 TVAN-12 A.R.30-360° 3,7 m	25	4,25
U122	570 TVAN-15 A.R.30-360° 4,6 m	25	4,25
U123	570 TVAN-17 A.R.30-360° 5,2 m	25	4,25
U183	Precision Rotating M 360° - PRN-TF	20	21,40
U182	Precision Rotating M 45°-270°-PRN-TA	20	21,40
U187	Precision Rotating F 360° - PRN-F	20	21,40
U186	Precision Rotating F 45°-270°-PRN-A	20	21,40



MEDIUM THROW-RANGE ROTORS





	Code	Description	Pop-up height cm	Coup. F	Box	€/each
	OID193	MINI8 sprinkler series with 5 nozzles set	9,5	1/2"	25	24,30
	OID001	300 sprinkler series no nozzle and shutter system	7,0	3/4"	25	51,90
	OID002	300 sprinkler series no nozzle and shutter system	30,0	3/4"	1	117,50
	U041	01-02-03-63 OMNI nozzle*			1	12,40
	P001	90°-180°-270°-360° shutter system*			1	5,00

*When ordering, please specify model, angle type, range and thread - can also be used for super 700 series

	Code	Description	Pop-up height cm	Coup. F	Box	€/each
	OID607	T5P-RS sprinkler series	12,3	3/4"	20	30,00
	OID611	T7 sprinkler series with 7 nozzles set**	14,6	1"	1	138,00

**Orderable version with stainless steel turret and locking screw as vandal-proof device

ELECTROVALVES

	Code	Description	Command	Couplings	Regulator	Q _{max} m ³ /h	Box	€/each
	OVA001	264 Valves	24V 50 Hz	¾" M/M	No	4,5	1	66,10
	OVA042	EZ-FLO Plus Valves	24V 50 Hz	1" M/M	No	6,8	10	41,90
	OVA043	EZ-FLO Plus Valves	24V 50 Hz	1" M/M	Si	6,8	10	55,10
	OVA044	EZ-FLO Plus Valves	24V 50 Hz	1" F/F	No	6,8	20	41,90
	OVA045	EZ-FLO Plus Valves	24V 50 Hz	1" F/F	Si	6,8	20	55,10
	OVA048	EZ-FLO Plus Valves	Preinstalled latch solenoid DC	1" M/M	Si	6,8	10	78,90
	OVA046	EZ-FLO Plus Valves	Preinstalled latch solenoid DC	1" F/F	Si	6,8	20	79,90
	OVA091	TPV Valves	24V 50 Hz	1" M/M	Si	11,3	20	76,50
	OVA093	TPV Valves	24V 50 Hz	1" F/F	Si	11,3	20	76,50
	OVA095	TPV Valves	Preinstalled latch solenoid DC	1" M/M	Si	11,3	20	99,90
	OVA097	TPV Valves	Preinstalled latch solenoid DC	1" F/F	Si	11,3	20	114,40
	OVA070	P220 Valves	24V 50 Hz	1" F/F	Si	12,0	24	195,80
	OVA073	P220 Valves	24V 50 Hz	1½" F/F	Si	24,0	12	313,30
	OVA075	P220 Valves	24V 50 Hz	2" F/F	Si	36,0	4	469,90
	OVA078	P220 Valves	24V 50 Hz	3" F/F	Si	66,0	4	966,00
	OVA272	P220 Valves	Preinstalled latch solenoid DC	1" F/F	Si	12,0	24	231,00
	OVA273	P220 Valves	Preinstalled latch solenoid DC	1½" F/F	Si	24,0	12	351,00
	OVA274	P220 Valves	Preinstalled latch solenoid DC	2" F/F	Si	36,0	4	513,00
	OVA275	P220 Valves	Preinstalled latch solenoid DC	3" F/F	Si	66,0	4	1.026,00

PROGRAMMERS


	Code	Description	St.	€
	OPG015	EVO base indoor programmer, 4 sector expandable up to 16 stations	4	366,00
	OPG016	EVO base outdoor programmer, 4 sectors expandable up to 16 stations	4	395,00
	OPG018	EVO 4 sectors expansion module	4	89,00
	OPG017	EVO 12 sectors expansion module	12	350,00
	OPG555	TEMP-4 220V CA external transformer	4	172,00
	OPG556	TEMP-6 220V CA external transformer	6	192,00
	OPG557	TEMP-8 220V CA external transformer	8	242,00
	OPG558	TEMP-WF Wi-Fi module		168,00
	OPG590	TEMP-1-DC	1	154,00
	OPG591	TEMP-2-DC	2	202,00
	OPG592	TEMP-4-DC	4	235,00
	OPG593	TEMP-6-DC	6	265,00
	OPG560	TEMP-1-DC-L	1	186,00
	OPG561	TEMP-2-DC-L	2	290,00
	OPG562	TEMP-4-DC-L	4	320,00
	OPG563	TEMP-6-DC-L	6	358,00

	Code	Description	St.	€
	OPG082	TMC 424 DD programmer with 4 sectors TSM-4 module, expandable up to 24 stations for outdoors	4	666,00
	OPG073	Standard module	4	131,00
	OPG092	Over voltage high-resistance module	4	164,30
	OPG187	Over voltage high-resistance and flow sensor module	4	283,00
	OPG074	Standard module	8	264,00
	OPG093	Over voltage high-resistance module	8	329,00
	OPG188	Over voltage high-resistance and flow sensor module	8	418,00
	ORV251	Latch solenoid for 9V DC valves		34,74


TORO

Discount category A

CONTROL AND PRESSURE MEASUREMENT




Code	Description	Bar	€
FRP550	Modular pressure reducer for outgoing pressure regulation (in valves P220 series)	0,3 ÷ 7	119,50



Code	Description	€
OAC070	Pressure detecting kit	264,00

RAIN SENSORS



Code	Description	€
OSN009	Rain sensor with preinstalled cable L= 8 m	83,40




OSN012	Rain/ice sensor kit (transmitter/receiver)	REQ.
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OSN011	Humidity sensor wireless kit and precision soil sensor control system	411,00
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TORO FLAG



Code	Description	Color	Dimensions cm	Height cm	Box	€/each
OBA001	Sprinkler positioning flags	Red	10 x 12 cm	50	100	0,88
OBA006	Sprinkler positioning flags	White	10 x 12 cm	50	100	0,88
OBA007	Sprinkler positioning flags	Yellow	10 x 12 cm	50	100	0,88

YL-21055 PROGRAMMER



APPLICATION

- Single output tap controller
- Control unit power supply: 3V battery (2x1,5AA)
- Protection degree: IP65
- Built-in on/off valve
- Visualizing LCD display
- Selection key function
- Command keys
- Irrigation runtime: from 5 sec to 360 minutes

SPECIFICS

- Threading: 3/4" M/M in/out
- Maximum working pressure: 6 bar
- Maximum flow-rate: 1.000 l/h

FEATURES

- Frequency: from 10 sec to 7 days
- Adjustable rain sensor
- Ready for rain sensor or humidity sensor

Code	Model	Ø valves	€
OPG500	YL21055	3/4"	53,34

YL-21068 PROGRAMMER



APPLICATION

- Double output tap controller
- Control unit power supply: 3V battery (2 x 1,5 AA)
- Protection degree: IP65
- Built-in on/off valve
- Visualizing LCD display
- Selection key function
- Command keys
- Irrigation runtime: from 5 sec to 360 minutes

SPECIFICS

- Threading: 3/4" M/M in/out
- Maximum working pressure: 6 bar
- Maximum flow-rate: 1.000 l/h

FEATURES

- Frequency: from 10 sec to 7 days
- Adjustable rain sensor
- Ready for rain sensor or humidity sensor

Code	Model	Ø valves	€
OPG501	YL21068	3/4"	68,88

SENSORS

Code	Model	Description	€
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OPG504	YL21103	Rain sensor - 5 m cable	21,84
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OPG505	YL21106	Moisture sensor - 5 m cable	53,62
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Discount category A

FOCUS



APPLICATION

- In residential areas, condominiums, parks or wherever control of the irrigation system is necessary

SPECIFICS

- BLE (Bluetooth Low Energy) architecture for local management without Wi-Fi connection
- Single unit communication via BT in local mode
- App for management in Bluetooth mode
- 12 V DC Latch user control
- Maximum distance covered 200 m

FEATURES

- Plug & Play installation of devices
- Wide range of control units
- Unlimited number of manageable units
- Modules with unique anti-theft serial number
- App available for Android and Apple
- Two-way communications

SBP UNIT BATTERY



APPLICATION

- Stand-alone battery SBP unit with FOCUS BLE architecture

SPECIFICS

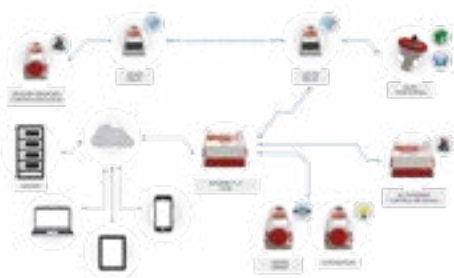
- Control unit power supply: 3 V battery (2 x 1.5 AA)
- Degree of protection: IP68
- Local interruption sensor: dry contact
- Output command: 12 V DCL Bistable
- Max command distance: 200 m

FEATURES

- Watering programs: 4
- Departure times for program: 6
- Maximum irrigation cycle duration: 23Hh 30 min
- Maximum number of stations activated simultaneously: 4
- Water budget: 1 ÷ 200%
- On/off/pause mode

Code	Outputs	Box	€/each
OPG621	1 st 9 V DCL	6	120,00
OPG622	2 st 9 V DCL	6	167,00
OPG624	4 st 9 V DCL	6	208,00
OPG626	6 st 9 V DCL	6	248,00

INFINITE



APPLICATION

- In residential areas, apartment-buildings, parks or wherever remote control of the irrigation system is required

SPECIFICS

- BLE (Bluetooth Low Energy) architecture for local management without Wi-Fi connection and remote interface
- HUB architecture for the creation of a network of remotely manageable devices with creation of chains to manage different modules as if they were a single control unit
- Communication of the single unit via BT in local mode or via radio in network mode
- Concentrator hub with communication via Wi-Fi, Ethernet
- App for management in Bluetooth mode
- Webserver for management via PC, Tablet, smartphone
- Control of both DC and AC utilities
- Maximum covered distance 600 meters (repeaters 6 x 600 meters)

FEATURES

- Plug & Play installation of devices
- Wide range of control and detection units
- Unlimited number of units that can be connected to a single Hub
- Modules with unique burglar alarm serial number
- App available for Android and Apple
- Two-way communications
- Switching from BLE to HUB architecture possible at any time

HUB NETWORK



APPLICATION

- HUB for Network mode

SPECIFICS

- Power supply: 220V AC / 5V DC
- Degree of protection: IP2X
- RF coverage: 600m open field
- RF band: 868 MHz
- Ethernet: 10/100 Ethernet (RJ45) - only OPG530
- Wi-Fi: 2,4 GHz/802,11 bgn
- Bluetooth: 4,1

FEATURES

- Secure communication
- Internal clock regulated by the internet connection
- RF functionality guaranteed even in the absence of internet connection
- The sensors are automatically reloaded on the Samcla platform when the connection is restored

Code	Model HUB	€
OPG530	HUB no limited	1.072,00
OPG531	HUB lite 26 device	509,00
OPG532	Router*	1.980,00

*GPRS modem and 10 years of traffic included (Hub excluded)

REP UNIT



APPLICATION

- REP unit - solar repeater applicable in the HUB architecture

SPECIFICS

- Control unit power supply: integrated solar panel
- Degree of protection: IP66
- RF coverage: 600 m open field
- RF band: 868 MHz

FEATURES

- Up to 6 REP units can be placed in sequence between HUB and SBP units
- Unlimited SBP units per repeater REP
- Integrated antenna
- Two-way communication
- Ultra low sleep mode power consumption - this allows devices to be stored for a long time

Code	Description	€
OPG533	Repeater	380,00

Discount category A

SBP UNIT BATTERY



Code	Outputs	€
OPG535	1 st 9V DCL	389,00
OPG536	2 st 9V DCL	436,00
OPG537	4 st 9V DCL	470,00
OPG538	6 st 9V DCL	493,00

APPLICATION

- Stand-alone battery-powered SBP unit with Infinite BLE architecture or remote with HUB architecture

SPECIFICS

- Control unit power supply: 3 V battery (2 x 1,5 AA)
- Degree of protection: IP68
- Local interrupt sensor (Infinite BLE only): dry contact
- RF coverage: 600m open field
- RF band: 868 MHz
- Bluetooth: 4,1
- Output command: 12 V DCL Bistable

FEATURES

- User Programs: 8 (Infinite HUB only)
- Resident programs: 4
- Departure times per program: 6
- Maximum irrigation cycle duration: 23Hh 30 min
- Maximum number of stations activated simultaneously: 4
- Local cut-off sensors: max 5 per station (Infinite HUB only)
- Water budget: 0% ÷ 200%
- On / off / pause mode

SBP UNIT SOLAR PANEL



Code	Outputs	€
OPG584	1 st 9V DCL	389,00

APPLICATION

- Stand-alone solar-powered SBP unit with Infinite BLE architecture or remote with HUB architecture

SPECIFICS

- Control unit power supply: integrated solar panel
- Degree of protection: IP68
- Local interruption sensor (Infinite BLE only): dry contact
- RF coverage: 600m open field
- RF band: 868 MHz
- Bluetooth: 4.1
- Output command: 12 V DCL Bistable

FEATURES

- User Programs: 8 (Infinite HUB only)
- Resident programs: 4
- Departure times for program: 6
- Maximum irrigation cycle duration: 23Hh 30 min
- Local outage sensors: max 5 per station (Infinite HUB only)
- Water budget: 0% ÷ 200%
- On/off/pause mode

SBP UNIT 220 V AC



Code	Outputs	€
OPG540	4 st 24V AC	469,00
OPG541	8 st 24V AC	526,00
OPG542	12 st 24V AC	568,00

APPLICATION

- SBP 220 V AC stand alone unit with Infinite BLE architecture or remote with HUB architecture

SPECIFICS

- Control unit power supply: battery 220/24 V AC (1A)
- Degree of protection: IP2X
- Local break sensor (Infinite BLE only): dry contact
- RF coverage: 600 m open field
- RF band: 868 MHz
- Bluetooth: 4,1
- Command output: 24 V AC

FEATURES

- User Programs 8 (Infinite HUB only)
- Resident programs: 4
- Departure times per program: 6
- Maximum irrigation cycle duration: 23 h 30 min
- Maximum number of stations activated simultaneously: 4
- Local cut-off sensors: max 5 per station (Infinite HUB only)
- Water budget: 0% ÷ 200%
- On / off / pause mode
- Rechargeable backup battery
- Master valve

SBP UNIT 220 V AC/9 V DC + COUNTER



Code	Outputs	€
OPG539	1 st 9V DC	446,00
OPG511	2 st 9V DC	500,00
OPG512	4 st 9V DC	540,00
OPG546	4 st 24 V AC	516,00
OPG548	10 st 24 V AC	588,00

APPLICATION

- SBP units 220 V AC - 9 V DC stand alone with Infinite BLE architecture or remote with HUB architecture

SPECIFICS

- Unit power supply
 - 220/24 V AC (1A)
 - 9 V DC battery
- Degree of protection: IP2X
- Local interruption sensor (Infinite BLE only): dry contact

FEATURES

- User programmes 8 (Infinite HUB only)
- Resident programmes: 4
- Start times per programme: 6
- Maximum watering cycle duration: 23 h 30 min
- Maximum number of stations activated simultaneously: 4
- Local interruption sensors: max 5 per station (Infinite HUB only)
- Water budget: 0% ÷ 200%.
- On/off/pause mode
- Rechargeable backup battery
- Master valve

SBS UNIT ON/OFF SENSOR BATTERY



Code	Description	€
OPG587	On/off sensor unit	405,00

APPLICATION

- BS unit - digital sensor input unit applicable in HUB architecture

SPECIFICS

- Control unit power supply: 3 V battery (2 x 1.5 AA)
- Degree of protection: IP66
- RF coverage: 600 m open field
- RF band: 868 MHz

FEATURES

- 1 digital sensor
- Programmable recovery time
- Integrated antenna
- Two-way communication
- Ultra low sleep mode power consumption - this allows devices to be stored for a long time

SBS UNIT ON/OFF SENSOR SOLAR PANEL



Code	Description	€
OPG543	On/off sensor unit	405,00

APPLICATION

- SBS unit - digital sensor input unit applicable in HUB architecture

SPECIFICS

- Control unit power supply: integrated solar panel
- Degree of protection: IP66
- RF coverage: 600 m open field
- RF band: 868 MHz

FEATURES

- 1 digital sensor
- Programmable recovery time
- Integrated antenna
- Two-way communication
- Ultra low sleep mode power consumption - this allows devices to be stored for a long time

Discount category A

SBH UNIT HUMIDITY SENSOR BATTERY



Code	Description	€
OPG588	Humidity sensor	511,00

APPLICATION

- SBH unit - unit with humidity sensor reading applicable in the hub architecture

SPECIFICS

- Control unit power supply: 3 V battery (2 x 1.5 AA)
- Degree of protection: IP66
- RF coverage: 600m open field
- RF band: 868 MHz

FEATURES

- 1 pre-installed tensiometric sensor
- Programmable recovery time
- Integrated antenna
- Two-way communication
- Ultra low power consumption in sleep mode - this allows you to store devices for a long time
- Watermark-Irrrometer probe

SBH UNIT HUMIDITY SENSOR SOLAR PANEL



Code	Description	€
OPG545	Humidity sensor	511,00

APPLICATION

- SBH unit - humidity with sensor reading unit applicable in hub architecture

SPECIFICS

- Unit power supply: integrated solar panel
- Degree of protection: IP66
- RF coverage: 600 m open field
- RF bandwidth: 868 MHz

FEATURES

- 1 pre-installed tensiometric sensor
- Programmable recovery time
- Integrated antenna
- Two-way communication
- Ultra-low power consumption in sleep mode - allowing devices to be stored for a long time

SBA UNIT 220 V AC ANALOG SENSOR



Code	Description	€
OPG589	Humidity sensor	REQ.

Available soon

APPLICATION

- SBA unit - unit with 4-20 mA analog sensor reading applicable in Hub architecture

SPECIFICS

- Control unit power supply: 220 V AC
- Degree of protection: IP2X
- RF coverage: 600m open field
- RF band: 868 MHz
- 4-20 mA sensor input

FEATURES

- 1 sensor 4-20 mA
- Integrated antenna
- Two-way communication

SBD UNIT LEVEL ULTRASOUND



Code	Description	€
OPG544	Ultrasound sensor	390,00

APPLICATION

- SBD unit - ultrasonic level sensor

SPECIFICS

- Unit power supply: 3V (2 x 1.5 AA)
- Degree of protection: IP66
- Sensor: ultrasonic
- RF coverage: 600 m open field
- RF band: 868 MHz
- Max depth: 2,5 m
- Resolution: 4 cm
- Non-reading area: 40 cm

FEATURES

- Applicable for Infinite HUB only
- Integrated antenna
- Two-way communication
- Ultra low sleep mode power consumption - this allows devices to be stored for a long time

BL-NR - 9 V BLUETOOTH



	mm
Hei.	145
Wid.	115
Dep.	60

Code	Description	Model	Box	€/each
OPG604	Timer BL-NR 3/4"	BL-NR1	20	94,30

APPLICATION

- Bluetooth irrigation programmer
- Terraces, small yard, garden or fogging systems
- Management by smartphone or tablet (iOs/Android)

SPECIFICS

- Bluetooth communication by MySolem App
- Protection degree: IP64
- 9V DC latch one output model
- Power supply: 9V DC battery (Type 6LR61)
- Coupling: in - female/out - BSP 3/4" male
- Working pressure 1 ÷ 6 bar
- Flow-rate: 32 l/h ÷ 38 l/m
- Maximum temperature: 50 °C

FEATURES

- 1 program with 8 daily starts
- Station runtime: 1 minute ÷ 12 hours
- Calendar: weekly personalized, odd/even days, odd 31, periodical: 31gg
- Fogging: 5 sec ÷ 24 hours
- Starts interval: 30 sec ÷ 31 days
- Fogging runtime: 4 max per day
- Manual control

BLUETOOTH PROGRAMMERS

BT-WB - 9 V BLUETOOTH



	mm
Hei.	155
Wid.	110
Dep.	65

Code	Description	St.	€/each
OPG725	Programmer IP68 Woo-Bee 9V - WB1	1	144,90
OPG726	Programmer IP68 Woo-Bee 9V - WB2	2	225,40
OPG727	Programmer IP68 Woo-Bee 9V - WB4	4	244,95
OPG728	Programmer IP68 Woo-Bee 9V - WB6	6	276,00

APPLICATION

- Bluetooth irrigation programmer
- Terraces, small yard, garden or fogging systems
- Management by smartphone or tablet (iOs/Android)

SPECIFICS

- Bluetooth communication by MySolem App
- Protection degree: IP68
- Model: 1, 2, 4, 8 outputs, 9V DC latch
- Power supply: 9V DC battery (Type 6LR61)
- Prepared for connection to volumetric meter or rain sensor

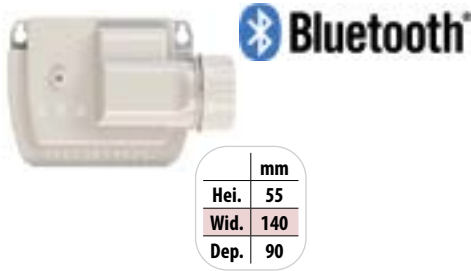
FEATURES

- 12 programs with 8 daily starts
- Station runtime: 1 minute ÷ 12 hours
- Calendar: weekly personalized, odd/even days, odd 31, periodical: 31 gg
- Manual control
- Solenoid max distance: 30 m

BLUETOOTH PROGRAMMERS

Discount category A

BL-IP - BLUETOOTH 9 V



Code	Description	Model	Box	€/each
OPG055	BL-IP 1 sector 9V	BL-IP1	6	125,40
OPG056	BL-IP 2 sectors 9V	BL-IP2	6	166,80
OPG057	BL-IP 4 sectors 9V	BL-IP4	6	193,20
OPG058	BL-IP 6 sectors 9V	BL-IP6	6	220,80

APPLICATION

- Bluetooth irrigation programmer
- Private and public gardens, sport fields
- Management by smartphone or tablet (iOS/Android)

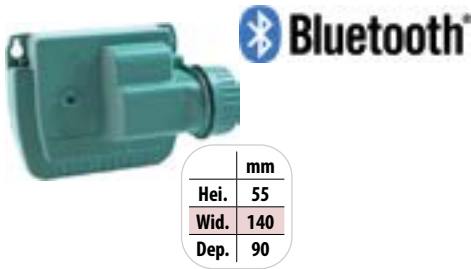
SPECIFICS

- Bluetooth communication by MySolem App
- Protection degree: IP68
- Model: 1, 2, 4 and 6 outputs, 9V DC latch
- 9V DC latch master valve or pump relay output
- Rain sensor connection
- Power supply: 9V DC battery (Type 6AM6 or Type 6LR61)

FEATURES

- 3 programs with 8 daily starts per program
- Station runtime: from 1 minute to 12 hours
- Calendar: weekly personalized, odd/even days, odd 3, periodical
- Water budget: 0 ÷ 200%
- Irrigation break from 1 to 15 days with automatic re-start
- Manual command
- Solenoid max distance: 30 m

BL-AG - BLUETOOTH 9 V



Code	Description	Model	Box	€/each
OPG147	BL-AG1 1 sector 9V	BL-AG1	6	207,00
OPG148	BL-AG1 2 sectors 9V	BL-AG2	6	238,90
OPG149	BL-AG1 4 sectors 9V	BL-AG4	6	270,40

APPLICATION

- Bluetooth irrigation programmer
- Private and public gardens, sport fields
- Management by smartphone or tablet (iOS/Android)

SPECIFICS

- Bluetooth communication by MySolem App
- Protection degree: IP68
- Model: 1, 2, 4 and 6 outputs, 9V DC latch
- 9V DC latch master valve or pump relay output
- Rain sensor connection
- Power supply: 9V DC battery (Type 6AM6 or Type 6LR61)

FEATURES

- Independent programming for each station
- 4 timeframe windows for cyclic programming
- Station runtime: from 1 sec. to 59 minutes
- Pause time: from 30 sec. to 59 minutes
- Calendar: weekly personalized, odd/even days, odd 3, periodical
- Water budget: 0 ÷ 200%
- Irrigation break from 1 to 15 days with automatic re-start
- Manual command
- Solenoid max distance: 30 m

LR-MB LORA 230 V



	mm
Hei.	82
Wid.	80
Dep.	13
Senza antenna	



Code	Description	Model	Box	€/each
OPG731	LoRa router + Wi-Fi - 230 V 10 modules	LR-MB-10	1	270,25
OPG730	LoRa router + Wi-Fi - 230 V 30 modules	LR-MB-30	1	361,10
OPG717	5 m antenna extension	LR-EXT-10MT	1	278,30
OPG718	10 m antenna extension	LR-EXT-5MT	1	228,90

APPLICATION

- LoRa management interface for programmers and modules
- Management network creation from 10 up to 25 units with programmers and modules

SPECIFICS

- Bluetooth local communication or remote by LoRa radio communication
- Local Wi-Fi router connection
- Managing by MySolem app
- Installation in covered space
- 230V power supply by external transformer
- Antenna extension cables
- Compatible with Wi-Fi 802.11 b/g/n, WPA2-PSK, WPA, WEP

FEATURES

- Connection distance: 250 m if programmers and modules are housed 800 m if placed in open field
- Connection to the network by local bluetooth or via internet by remote mode

LR-BST-25 LORA - 3G



	mm
Hei.	307
Ø	115



Code	Description	Model	Box	€/each
OPG707*	LR-MB Bluetooth - LoRa 3g 25 MOD	LR-BST-25	1	1.165,00
OPG723	Solar panel 20 W 12 V	SOL-PACK-20	1	498,00

*While stocks last

APPLICATION

- LoRa management interface for programmers and modules
- Management network creation up to 25 units with programmers and modules
- Internet connection by 3G integrated modem

SPECIFICS

- Bluetooth local communication or remote by LoRa radio communication
- 3G network connection
- Managing by MySolem app
- Installation in covered space
- 230 V power supply by external transformer or 20 W solar panel
- Integrated buffer battery
- IP64 protection degree

FEATURES

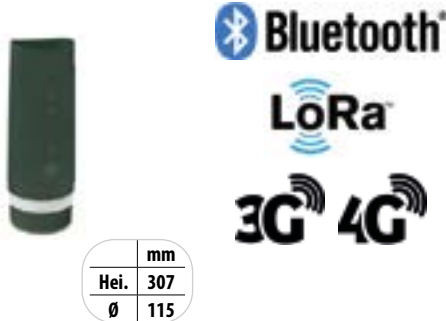
- Connection distance: 250 m if programmers and modules are housed in valve box 800 m if placed in open field
- Connection to the network by local bluetooth or via internet by remote mode

LORA INTERFACES

Discount category A



LR-BST-REACT-25 LORA - 4G



Code	Description	Model	B.	€/each
OPG755	LR-MB Bluetooth-LoRa 3g 25 MOD	LR-BST-25	1	2.205,00
OPG723	Solar panel 20 W 12 V	SOL-PACK-20	1	498,00

APPLICATION

- Programmer and module management interface LoRa
- Creation of management networks of up to 25 programmers and modules
- Internet connection via integrated 3g modem

SPECIFICS

- Local Bluetooth communication
- Remote via LoRa radio
- Connection to 3G - 4G NETWORK
- Management via MySolem App
- Indoor or outdoor installation
- 230 V power supply with external transformer or 20 W solar panel
- Integrated buffer battery
- Degree of protection IP 64

FEATURES

- Connection distance
- 250 m if controllers and modules are in a pit
- 800 m if positioned in an open field
- Possibility of connecting to the network via Bluetooth locally or remotely via the Internet

METEO SMART



Code	Description	Model	B.	€/each
OPG756	Control station + LBS-react	Meteo Smart	1	3.492,00

APPLICATION

- SMART LORA control station
- Management by smartphone or tablet (iOs/Android)

SPECIFICS

- LR-BST-REACT interface for managing 25 programmers or LR modules included
- Programming via MySolem app
- IP64 degree of protection
- 4 pre-installed sensors: Thermometer - Anemometer - Rain gauge - Hygrometer
- Complete with 12 V solar panel (230 V power supply optional)
- Built-in lithium backup battery

FEATURES

- Immediate reaction on sensor notifications
- Connection distance: 250 m if controllers and modules are in the cockpit - 800 m if positioned in the open field
- Possibility to connect to the network via Bluetooth locally or remotely via the Internet

SUBSCRIPTIONS FOR LR-BST-25 / LR-BST-REACT-25 / METEO SMART

SIM subscriptions			€
SOLEM-PL1	SIM 1 year 10 conn./day	SIM-1Y-50M	210,50
SOLEM-PL2	SIM 1 year 24 conn./day	SIM-1Y-100M	425,50
SOLEM-PL3	SIM 3 years 2 conn./day	SIM-3Y-5M	281,80

LR-IP - BLUETOOTH LORA 9 V DC LATCH



Code	Description	Model	Box	€/each
OPG143	1 sector 9V	LR-IP1	6	223,10
OPG144	2 sectors 9V	LR-IP2	6	265,70
OPG145	4 sectors 9V	LR-IP4	6	293,30
OPG146	6 sectors 9V	LR-IP6	6	308,20

APPLICATION

- Bluetooth irrigation programmer
- Private and public gardens, sport fields
- Management by smartphone or tablet (iOS/Android)

SPECIFICS

- Bluetooth local communication or remote by LoRa radio communication
- Wi-Fi connection by specific interface
- Programming by MySolem App
- Protection degree: IP68
- Model: 1, 2, 4 and 6 outputs, 9V DC latch
- 24V AC master valve or pump relay output
- Rain sensor connection
- Power supply: 9V DC battery
- IP 68 degree of protection

FEATURES

- 3 programs with 8 daily starts per program
- Station runtime: from 1 minute to 12 hours
- Calendar: weekly personalized, odd/even days, odd 3, periodical
- Water budget: 0 ÷ 200% or automatic managing by meteo
- Irrigation break from 1 to 15 days with automatic re-start
- Manual command
- Solenoid max distance: 30 m

LR-IP-FL - BLUETOOTH LORA 9 V DC



Code	Description	Model	Box	€/each
OPG745	1 sector 9V	LR-IP1-FL	6	299,00
OPG746	2 sectors 9V	LR-IP1-FL	6	341,00
OPG747	4 sectors 9V	LR-IP1-FL	6	368,00
OPG748	6 sectors 9V	LR-IP1-FL	6	382,00

APPLICATION

- Bluetooth watering controller
- For private and public gardens, sports fields
- Management by smartphone or tablet (iOS/Android)

SPECIFICS

- Local Bluetooth or remote communication via LoRa radio communication
- Connection to Wi-Fi network via specific interface
- Programming via MySolem app
- Model with 1, 2, 4 and 6 outputs 9V DC Latch
- Output for master valve or pump relay 24 V AC
- Connection for rain sensor
- Connection for water meter
- 9 V DC battery power supply
- IP 68 degree of protection

FEATURES

- 3 programmes with 8 daily starts per programme
- Times per station: from 1 minute to 12 hours
- Calendar: customised weekly, even/odd/odd days 3, periodic
- Water budget 0 ÷ 200
- Watering interruption from 1 to 15 days with automatic restart
- Manual control
- Max solenoid distance: 30 m

LORA MODULES

Discount category A



LR-IS-FL - BLUETOOTH LORA 230 V



mm	
Hei.	145
Wid.	110 - 160
Dep.	42

Code	Description	Model	Box	€/each
OPG740	LR-IS-FL 2 sectors 24V	LR-IS-FL2	6	256,80
OPG741	LR-IS-FL 4 sectors 24V	LR-IS-FL4	6	285,80
OPG742	LR-IS-FL 6 sectors 24V	LR-IS-FL6	6	300,10
OPG743	LR-IS-FL 9 sectors 24V	LR-IS-FL9	6	372,40
OPG744	LR-IS-FL 12 sectors 24V	LR-IS-FL12	6	402,20

LR-AG - LORA 9 V



mm	
Hei.	55
Wid.	140
Dep.	90

Code	Description	Model	Box	€/each
OPG750	LR-AG 1 sector 9V	LR-AG1	6	370,60
OPG751	LR-AG 2 sectors 9V	LR-AG2	6	418,50
OPG752	LR-AG 4 sectors 9V	LR-AG4	6	449,00
OPG753	LR-AG 6 sectors 9V	LR-AG6	6	465,20

LR-FL - 1 COUNTER MASTER VALVE 9 V



mm	
Hei.	55
Wid.	140
Dep.	90

Code	Description	Model	Box	€/each
OPG705	Flow meter module master valve	LR-FL-1	1	217,40

APPLICATION

- Bluetooth watering controller
- For private and public gardens, sports fields
- Automatically changes watering times according to weather conditions
- Management by smartphone or tablet (iOs/Android)

SPECIFICS

- Bluetooth or Wi-Fi communication via MySolem App
- IP 68 degree of protection
- Model with 2, 4, 6, 9 and 12 24 V AC outputs
- Output for master valve or pump relay 24 V AC
- Connection for rain sensor
- Connection for volumetric meter
- 230/24 V AC transformer power supply

FEATURES

- 12 programmes with 8 daily starts per programme
- Times per station: from 1 minute to 12 hours
- Calendar: customised weekly, even/odd/odd days 3, periodic
- Water budget 0 ÷ 200%.
- Watering interruption from 1 to 15 days with automatic restart
- Manual control
- Max solenoid distance: 30 m

APPLICATION

- Bluetooth watering controller
- For private and public gardens, sports fields
- Management by smartphone or tablet (iOs/Android)

SPECIFICS

- Local Bluetooth or remote communication via LoRa radio communication
- Connection to Wi-Fi network via specific interface
- IP 68 degree of protection
- Model with 1, 2, 4 and 6 outputs 9 V DC Latch
- Output for master valve or pump relay 9 V DC Latch
- 9 V DC battery power supply (type 6AM6 or type 6LR61)

FEATURES

- Independent programming per station
- 4 time windows for cyclical programming
- Times per station from 10 sec. to 11 hours 59 minutes
- Pause times from 30 sec. to 11 hours 59 minutes
- Calendar: customised weekly, even/odd/odd days 3, periodic
- Water budget 0 ÷ 200
- Irrigation interruption from 1 to 15 days with automatic restart
- Manual control
- Fertigation management
- Pressure sensor input
- Max solenoid distance: 30 m

APPLICATION

- Module for reading volumetric meter and master valve/pump management
- Management by smartphone or tablet (iOs/Android)

SPECIFICS

- Local Bluetooth or remote communication via LoRa radio communication
- Connection to Wi-Fi network via specific interface
- Programming via MySolem app
- IP 68 degree of protection
- 1 input/1 output model
- 9 V battery power supply
- System stop action on alarm settable by user
- Maximum distance: 100 m
- 9V Solem relay required for pump management

FEATURES

- Settable minimum and maximum range threshold
- Alarm (SMS or e-mail notification) in the event of range being exceeded
- Up to 200 programming windows
- Interacts with all modules connected to the same network

LR-MS - 4 SENSORS



	mm
Hei.	55
Wid.	140
Dep.	90

Code	Description	Model	Box	€/each
OPG706	Sensors reading module - 4 inputs	LR-MS-4	1	302,50

APPLICATION

- Reading module (digital/analog sensors)
- Management by smartphone or tablet (iOs/Android)

SPECIFICS

- Bluetooth local communication or remote by LoRa radio
- Programming by MySolem app
- Input 1 - 3: dry contact sensors, pulse,
- Input 4: PT100 sensor
- 9V DC battery power supply

FEATURES

- Each input is individually settable by app
- Input 1 - 3: moisture sensor, rain sensor, meter counter
- Input 4: temperature sensor (PT100)
- Minimum and maximum flow settable threshold
- High flow alarm (SMS or e-mail)
- System stop when in alarm can be set by user
- Maximum distance: 100 m

LR-PR PRESSURE SENSOR



	mm
Hei.	55
Wid.	140
Dep.	90

Code	Description	Model	Box	€/each
OPG759	Pressure sensor module 1 input	LR-PR-1	1	472,00

APPLICATION

- Pressure sensor reading module
- Management by smartphone or tablet (iOs/Android)

SPECIFICS

- Local Bluetooth or remote communication via LoRa radio
- Programming via MySolem app
- IP 68 degree of protection
- 1 input model
- 9V battery power supply

FEATURES

- Adjustable minimum and maximum flow rate threshold
- Alarm (SMS or e-mail notification) in case of flow rate out of threshold
- System stop action on alarm settable by the user
- Maximum distance: 100 m

WI-FI MODULES

Discount category A

SMART-IS - BLUETOOTH WI-FI 230 V



Bluetooth®



	mm
Hei.	145
Wid.	110 - 160
Dep.	42

Code	Description	Model	Box	€/each
OPG700	SMART-IS 2 sect. 24V	SMART-IS2	6	195,50
OPG701	SMART-IS 4 sect. 24V	SMART-IS4	6	223,10
OPG702	SMART-IS 6 sect. 24V	SMART-IS6	6	236,90
OPG703	SMART-IS 9 sect. 24V	SMART-IS9	6	308,20
OPG704	SMART-IS 12 sect. 24V	SMART-IS12	6	337,00

APPLICATION

- Bluetooth watering controller
- For private and public gardens, sports fields
- Automatically changes watering times according to weather conditions
- Management by smartphone or tablet (iOS/Android)

SPECIFICS

- Bluetooth or Wi-Fi communication via MySolem App
- IP 68 degree of protection
- Model with 2, 4, 6, 9 and 12 24 V AC outputs
- Output for master valve or pump relay 24 V AC
- Connection for rain sensor
- Connection for volumetric meter
- 230/24 V AC transformer power supply

FEATURES

- 12 programmes with 8 daily starts per programme
- Times per station: from 1 minute to 12 hours
- Calendar: customised weekly, even/odd/odd days 3, periodic
- Water budget 0 ÷ 200%.
- Watering interruption from 1 to 15 days with automatic restart
- Manual control
- Max solenoid distance: 30 m

ACCESSORIES

SENS-UMID HUMIDITY SENSOR



APPLICATION

- Soil moisture detecting
- Compatible with LR-MS4 module
- 2 m connection cable included

SPECIFICS

FEATURES

Code	Description	Model	Box	€/each
OPG722	Soil moisture sensor	Sens-humid	1	232,30

SENS-TEMP TEMPERATURE SENSOR



APPLICATION

- Soil temperature detecting
- Compatible with LR-MS4 module
- 2 m connection cable included

SPECIFICS

FEATURES

Code	Description	Model	Box	€/each
OPG721	Soil temperature sensor	Sens-temp	1	88,60

RELÈ 9 V



APPLICATION

- Pumps command
- Compatible with 9V DC powered modules
- 9V relays for contactor interface

SPECIFICS

FEATURES

- Protection class IP 65

Code	Description	Model	Box	€/each
OPG720	9V pump command relay	9V relay	1	169,05

GROWER 6000 D



Code	Description	€
OAC215	Decoder 1001 1 output	121,00
OAC216	Decoder 1002 1 output*	153,00
OAC217	Decoder 2002 2 outputs*	270,10
OAC218	Decoder 4001 4 outputs	292,00
OAC219	Decoder 6001 6 outputs	445,00
OAC221	Pump command decoder	814,20

*Models with activation of 2 simultaneous solenoids

AQUALOGIC 500



Code	Description	€
OPG789	Controller 500 Aqualogic	2.560,00
OPG781	Aqualogic 500 (MK3 Interface) + API	1.468,00

APPLICATION

- Landscape and agriculture large irrigation systems

SPECIFICS

- LCD display
- Soft-touch keyboard and knob for functions selection
- ETP management with meteo station
- Control unit supply: 230 - 24 V AC transformer
- 2 wires, 24 V AC decoder
- Stations: 200
- Remote control via WEB by smart system
- Use only Tech decoder

SOFTWARE FEATURES

- 10 irrigation programmes
- 6 daily starts per programm
- Calendar: 14 or 15 days
- Module: CrySberg LAN for local communication
- CrySberg 3G/4G mobile Gateway
- Digital inputs: 4-20 mA
- Irrigation cycle from 0 to 999 min
- Water budget: 0 ÷ 250%
- Starts: manual, program
- Compatible with decoder
- Pumps 10 - 5
- Master valve 1
- Booster pumps 9 - 4
- Flow sensors 10 (4/20 mA)
- Decoder diagnostics and line voltage
- Alarm from sensors

MATERIALS

- Box: PVC/ABS with key

Code	Description	n° outputs	€
OPG779	Grower 6000 D control unit • LAN module + 3G/4G module + 1 year traffic included	200	4.745,70

APPLICATION

- Interface Management of large ornamental and agricultural plants

ELECTRICAL OUTPUT (2-WIRE)

- Use Tech decoder
- Rated voltage: 42V AC peak
- Maximum voltage: 42V AC peak
- Maximum current: 600 mA continuous
- Decoders: 500
- Active decoders: up to 100
- Digital sensor decoders: 200
- Analogue sensors: 40 analogue, 4 - 20mA, 150 analogue 0-10 VDC
- Terminals: 2 sets
- Wire size, terminal: AWG 12-16 / 2.0-3.5 mm²

ELECTRICAL INPUT (REMOTE SYSTEM)

- Ethernet (RJ45): 1.10/100MB/s cable, <100m
- RS232: 115200 b/s, <30m cable
- Protection: Galvanic isolated

MECHANICAL/OTHER

- Dimensions (W x H x D): 145 mm x 105 mm x 75 mm
- Mounting: DIN rail
- GND loop: AWG 6/13 mm² - must be connected to a ground rod/plate with <10 Ohm - do not connect to the mains GNS as this cancels the corrosion protection of the 2-wire cable

POWER SUPPLY

- Voltage, power supply: DIN rail - 42 VDC
- Power: 65W

ENVIRONMENT

- Operation: 0 to 50 degrees C
- Storage: -20 to 70 degrees C
- Humidity: 95% non-condensing

CABLE LENGTH

- The following table shows the cable length (with decoders evenly distributed) with a system with active:
 - 100 output decoders on a single cable
 - 8 active decoders on a single cable
 - 10 decoders with 4-20 mA analogue sensor
 - 50 decoders for 0-10 VDC analogue sensors

Nominal wire size	Maximum cable lengths (km)	
	ring	linear
2,0 mm ²	16,4	4,1
2,5 mm ²	20,0	5,0
3,0 mm ²	24,4	6,1
3,5 mm ²	18,4	7,1

Discount category A

TECH DECODER



APPLICATION

- CrySberg decoder modules

SPECIFICS

- Compatible with CrySberg models Grower 6000 D and Aqualogic 500
- Unit power supply: max 33 V AC/min 21 V AC
- Consumption: 0,5 mA/25 mA
- Max solenoid/decoder distance: 100 m
- Output power: adjustable from central unit
- Programmable via DPU (Decoder Programming Unit)
- Protection: Waterproof IP67
- 4- and 6-output decoder includes lightning protection
- Integrated diagnostics

Code	Description	€
OPG782	TECH + Decoder 1001 (MK3)	REQ.
OPG783	TECH + Decoder 2001 (MK3)	REQ.
OPG784	TECH + Decoder 4001 (MK3)	REQ.
OPG786	TECH + Decoder 6001 (MK3)	REQ.

DECODER SENSOR



APPLICATION

- Sensor

SPECIFICS

- Allows reading of sensors located remotely using the single cable
- Single sensor input
- Consumption: 8 mA (inactive), up to 28 mA for 4-20 mA mode
- Max. distance from the sensor: 25 m
- Sensor types: contact, pulse count or 4-20 mA
- Contact types normally open or normally closed and dry contact
- Pulse count: up to 200 pulses per second
- Minimum pulse width 2,5 ms
- Sensor source: power supply with 20 V DC
- Surge Protection: Built-in
- Integrated diagnostics

Code	Description	€
OPG788	TECH + Sensor Decoder (MK3)	REQ.

LIGHTNING PROTECTION



APPLICATION

- Lightning protection module

SPECIFICS

- Protects the system from atmospheric discharges
- To be installed along the bipolar electric cable of the system
- Install approximately every 150 meters or near network branches
- Integrated diagnostics
- Compatible with CrySberg Models:
 - Grower 6000 D
 - Ranger 4000 D
 - Converter 3000 D
 - AGDI converter
 - Aqualogic 500

Code	Description	€
OAC220	Lightning protection decoder (MK3)	REQ.



See specific cable for Decoder on page 113



See solenoids for Decoder on page 140

STANDARD PIPE



TUBO STANDARD E LUNGA DURATA

APPLICAZIONE

- Hobby and professional systems

SPECIFICS

- No heavy metals like cadmium and barium

FEATURES

- Anti-twisting

Code	Description	Hose Ø mm	Hose m	€ _{coil}
OTG032	PVC 3 layers standard hose	15 (5/8")	15	30,80
OTG033	PVC 3 layers standard hose	15 (5/8")	25	51,80
OTG034	PVC 3 layers standard hose	15 (5/8")	50	102,20
OTG036	PVC 3 layers standard hose	19 (3/4")	50	134,40
OTG038	PVC 3 layers standard hose	25 (1")	50	213,80

LONG TERM HOSE



Code	Description	Hose Ø mm	Hose m	€ _{coil}
OTG053	PVC 5 layers long term hose	15 (5/8")	15	43,40
OTG054	PVC 5 layers long term hose	15 (5/8")	25	72,80
OTG055	PVC 5 layers long term hose	15 (5/8")	50	144,20
OTG057	PVC 5 layers long term hose	19 (3/4")	50	210,00
OTG059	PVC 5 layers long term hose	25 (1")	50	309,40

METAL EMITTERS



Code	Description	Ø mm	Material	€
OPI002	Emitters without fitting		Alluminium	40,60
OPI003	Comfort emitters with 7 functions		Metal	34,30
FPS001	Male threaded quick coupling	3/4"	Ottone	4,70
FPS002	Hose fitting	16/19	Ottone	14,30

HANSEN TURBO TWIST WASH



APPLICATION

- High-flow cleaning pistol
- Industry, building sites, farm

SPECIFICS

- Powerful and concentrated flow for a more effective cleaning
- Ergonomic grip, efficient by wet hands as well
- Easyturn system for flow handling avoids accidental supply
- Safe and versatile water supply connection
- Solid structure, anti-shock, fall protection
- Flexible hose adapter (32 and 40 mm Ø included in package)

Code	Description	€
OHV020	Turbo Twist wash nozzle with fittings	107,80

IRRIGATION

Discount category A



EXTENSIBLE HOSE



Code	Description	€
OTG001	Extendible hose SUPERHOZE 7,5 m with connectors	50,40
OTG002	Extendible hose SUPERHOZE 15 m with connectors	71,40
OTG003	Extendible hose SUPERHOZE 30 m with connectors	102,20
OTG004	Extendible hose SUPERHOZE 40 m with connectors	124,60

HOSE REELS AND CARTS

Code	Description	€
OAV005	Autoreel automatic wall hose reel 20 m	229,60
OAV006	Autoreel automatic wall hose reel 30 m	348,60
OAV007	Hose reel cart (20 m Ø 12,5)	96,60
OAV008	Hose reel cart (50 m Ø 15)	72,80
OAV009	Metal hose reel cart (75 m Ø 15)	198,80



HOSE CONNECTORS AND ACCESSORIES

Code	Description	€
OGA001	Ø ¼" e Ø ½" fitting	4,80
OGA003	Outdoor tap 1"Ø connector	4,00
OGA004	3 ways basic tap connector	23,80
OGA005	2 way tap connector	40,60
OGA006	Soft Grip quick coupling (Ø 12,5 mm and Ø 15 mm)	5,10
OGA007	Soft Grip quick coupling (Ø 19 mm)	6,30
OGA008	Aquastop Soft Grip coupling (Ø 12,5 mm and Ø 15 mm)	6,50
OGA009	Aquastop Soft Grip coupling (Ø 19 mm)	7,60
OGA010	Y connector - loose	7,20
OGA011	Hose reparative coupling (Ø 12,5 mm and Ø 15 mm)	4,90
OGA012	Hose reparative coupling (Ø 19 mm)	6,10
OGA013	Adjustable hose nozzle	7,60
OGA015	Gun Jet Spray Plus	30,80



RAPID BRACKET



APPLICATION

- Quick connection of pop-up and spray head branches

SPECIFICS

- Can be used with low density and high density PN4 and PN6 piping
- No tools required for installation
- Installation 6 times faster than standard bracket

FEATURES

- Maximum pressure: 10 bar
- Burst pressure 27 bar
- Flow rate: 57 l/m at 27 mH2O

Code	Description	Ø mm	Box	€/each
RPS980	Bracket with easy pipe straight output	25	10	5,85
RPS981	Bracket with easy pipe straight output	32	10	5,94
RPS990	Bracket with easy pipe elbow output	25	10	5,85
RPS991	Bracket with easy pipe elbow output	32	10	5,94
RPS994	Bracket	25 x 1/2"	10	5,30
RPS993	Bracket	25 x 3/4"	10	5,30
RPS995	Bracket	32 x 1/2"	10	5,39
RPS996	Bracket	32 x 3/4"	10	5,39
SOAC100	Elbow	1/2" M x 16	10	0,55
SOAC101	Straight fitting adapter	1/2" M x 16	10	0,55
SOAC102	Elbow	3/4" M x 16	10	0,55
SOAC103	Straight fitting adapter	3/4" M x 16	10	0,55

ACCESSORIES

Discount category A



SPRINKLERS ACCESSORIES

	Code	Description	Couplings	Box	€/each
	OAC013	Cut-off fitting (15 cm)	1/2" M x 1/2" - 3/4" M	25	0,87
	OAC014	Cut-off fitting (15 cm)	3/4" M x 3/4" M	25	1,00
	SOAC026	Straight fitting	16/17 x 1/2" M	1	0,33
	SOAC027	Straight fitting	16/17 x 3/4" M	1	0,33
	SOAC024	90° M elbow	16/17 x 1/2" M	1	0,33
	SOAC025	90° M elbow	16/17 x 3/4" M	1	0,33

	Code	Description	Color	Box	€/each
	OBA015	Scarabelli flag cm 10 x 12	White	100	0,65
	OBA016	Scarabelli flag cm 10 x 12	Silver	100	0,65
	OBA017	Scarabelli flag cm 10 x 12	Yellow	100	0,65

	Code	Description	Ø	Measurements cm	€
	ACL005	F threaded column riser with fixed tips	1/2"	H 50-70	29,63
	ACL003	F threaded column riser with fixed tips	3/4"	H 50-70	31,05
	ACL004	M threaded column riser with adjustable tips	1"	H 100	61,02
	OST049	F threaded riser	1"		60,12

VARIOUS ACCESSORIES



Code	Description	Height cm	Couplings	€
OCL020	Green painted column in aluminium with tap	130	½" fil. M	295,00
OPZ400	Valve box with tap			22,00

Note: Taps not included

HYDRANTS AND CLAPET VALVES



Code	Description	Ø	Coupling	€
OAC130	Swing checkhose hydrant SV ¾"	¾"	F	28,83
OAC131	Swing checkhose hydrant SV 1"	1"	F	54,26
OAC134	Swing checkhose hydrant SV 1½"	1½"	F	149,03
OCH010	SV and BT key ¾"	¾"	F/M	13,62
OCH011	SV key 1"	1"	F/M	24,17
OCH014	SV key 1½"	1½"	F/M	87,70



SWIFT



APPLICATION

- Bayonet quick coupling

SPECIFICS

- Thread in compliance with: UNI EN 12165/EN 12164/EN 10226-1 UNI ISO 228.1
- Made from extruded bars or hot moulding
- Hydraulic seal by Teflon tape

MATERIALS

- Brass - lead < 1,8%
- Hydraulic seal: NBR

FEMALE QUICK COUPLING



MALE QUICK COUPLING



F/M/M 3 WAYS FITTING



QUICK HOSE CONNECTION



QUICK COUPLING PLUG





Ø	Code	Box	€/each	Code	Box	€/each	Code	Box	€/each
½"	FAR002	10	6,83	FAR012	10	6,63			
¾"	FAR003	10	6,98	FAR013	10	6,75	FAR041	10	8,88
1"	FAR004	10	7,83	FAR014	10	6,94			
1¼"	FAR005	10	10,78	FAR015	10	9,97			
1½"	FAR006	10	11,71	FAR016	10	11,48			

Code	Description	Box	€/each
FGN001	Quick coupling seal	100	0,90

Ø	Code	B.	€/each
DN13	FAR021	10	7,10
DN15	FAR022	10	6,90
DN18	FAR029	10	7,52
DN20	FAR023	10	7,64
DN25	FAR026	10	8,65
DN32	FAR027	10	10,90
DN38	FAR028	10	16,05

Code	Box	€/each
FAR031	10	6,67












SWIVEL VALVES

	Code	Description	Ø	€
	FVB002	F/F PN16	1"	15,04
	FVB005	M/F PN16	¾"	10,89
	FVB006	M/F PN16	1"	13,97
	FVB007	M/F PN16	1½"	49,53
	FVB008	M/F PN16	2"	59,70



Code	Description	N° valves	Box	€/each
FVB009	Ø 1" manifold with swivel ball valves	1	10	17,52
FVB010	Ø 1" manifold with swivel ball valves	2	40	36,23
FVB011	Ø 1" manifold with swivel ball valves	3	20	54,35
FVB012	Ø 1" manifold with swivel ball valves	4	10	72,46

PVC AND PP SWIVEL FITTINGS

	Code	Description	Ø	Coupling	Box	€/each
	SRTF001	PP black Tee	1"	F/F/M	1	3,86
	SRTF010	PP black Tee	1½"	F/F/M	1	12,28
	SRTF011	PP black Tee	2"	F/F/M	1	17,42
	SRCR001	PP black cross	1"	F/F/F/M	1	5,41
	SRG0004	PP black elbow	1"	M/F	1	2,53
	SRG0005	PP black elbow	1½"	M/F	1	9,30
	SRG0006	PP black elbow	2"	M/F	1	12,66
	SRG0001	PP black elbow	1"	F/F	1	3,32
	SRG0002	PP black elbow	1½"	F/F	1	12,28
	SRG0003	PP black elbow	2"	F/F	1	17,42
	SRMF003	PP black coupling	1"	F/F	1	3,22
	SRMF004	PP black coupling	1"	M/F	1	2,20
	SRMF005	PP black coupling	1½"	M/F	1	8,33
	SRMF006	PP black coupling	2"	M/F	1	11,30
	SRNP002	PP reduced nipple with o-ring	1" x ¾"	M	1	1,32
	SRNP003	PP nipple with o-ring	1"	M	1	1,32
	SRNP004	PP nipple with o-ring	1½"	M	1	1,84
	SRNP005	PP nipple with o-ring	2"	M	1	2,73
	SRTF002	2 outputs PP black manifold	1"	F	5	8,25
	SRTF003	3 outputs PP black manifold	1"	F	5	12,21
	SRTF004	4 outputs PP black manifold	1"	F	5	16,23

DURA SERIES SWIVEL FITTINGS



Code	Description	Ø	Coupling	Box	€/each
OAC050	Tee	1"	F/F/M	25	16,20
OAC054	Cross	1"	F/F/F/M	15	21,50
OAC051	Elbow	1"	M/F	25	13,85
OAC053	Elbow	1"	F/F	25	15,27
OAC052	Sleeve	1"	F/F	50	11,49
OAC055	Cap	1"	F	25	3,55
OAC056	Nipple	1"	M/M	25	3,75
OAC057	Reduced nipple	1" x ¾"	M/M	25	4,19
OAC062	2 outputs swivel manifold	1"	F/F/F/M	1	31,63
OAC061	3 outputs swivel manifold	1"	F/F/F/F/M	1	47,43
OAC060	4 outputs swivel manifold	1"	F/F/F/F/F/M	1	63,11
OAC058	Union	1"	M/F	25	10,16

DURA SERIES COUPLING



Code	Description	Couplings	Length cm	€
OAC035	Vandal-proof coup.	½"		36,93
OAC036	Vandal-proof coup.	¾"		56,37
OAC085	Vandal-proof coup.	1"		103,01
OAC042	Flexible straight coup.	½"M x elb. ½"M	45	14,06
OAC041	Flexible straight coup.	½"M x elb. ¾"M	45	13,91
OAC040	Flexible straight coup.	¾"M x elb. ¾"M	45	13,91

FITTINGS AND HOSE BLU-FLEX SCARABELLI



APPLICATION

- Quick coupling for sprinklers installation

SPECIFICS

- Blu-lock is a fitting system to connect sprinklers to the main ducts (by saddle) allowing to save time
- The system consists in a peculiar plug-in fitting, with metal ring seal, which does not require locking and leave fittings and sprinklers free to rotate around the hose
- Coupling is easy to remove by a simple pressure
- It is used with its specific hose, particularly flexible, designed for this kind of application



Code	Description	Couplings	Box	€/each
OAC109	Blu - Lock hose		1 (30,5 m)	49,81
OAC101	Blu - Lock elbow	1/2" M	25	1,78
OAC102	Blu - Lock elbow	3/4" M	25	1,78
OAC103	Blu - Lock adapter	1/2" M	25	1,78
OAC104	Blu - Lock adapter	3/4" M	25	1,78
OAC105	Blu - Lock coupling		25	1,83

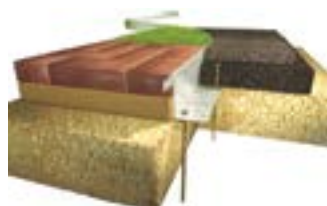
ALUMINIUM CURB



Code	Description	Color	Dimens. m	Box	€
OKTLE003	Aluminium curb - 3 mm thickness	Natural aluminum	10,2 cm x 2,44	14	46,95
OKTLE004	Aluminium curb - 3 mm thickness	Brown	10,2 cm x 2,44	14	56,25
OKTLE005	Aluminium curb - 3 mm thickness	Green	10,2 cm x 2,44	14	56,25
OKTLE006	Aluminium curb - 3 mm thickness	Black	10,2 cm x 2,44	14	56,25
OKTLE008	Reinforced aluminium curb, 4,5 mm thickness	Natural aluminum	14,0 cm x 2,44	10	88,75

Note: the price of each slab includes two pegs

Code	Description	Box m	Lenght m	Height cm	Box	€/each
OKTLE012	Stable Edge aluminium curb - 5 mm thickness	68,26	2,438	2,5	30	42,50
OKTLE013	Stable Edge aluminium curb - 5 mm thickness	53,64	2,438	3,8	20	52,87
OKTLE014	Stable Edge aluminium curb - 5 mm thickness	46,32	2,438	5,0	20	51,44
OKTLE015	Stable Edge aluminium curb - 5 mm thickness	41,45	2,438	6,4	20	56,25
OKTLE016	Stable Edge aluminium curb - 5 mm thickness	31,69	2,438	7,5	15	72,50
OKTLE017	Stable Edge aluminium curb - 5 mm thickness	24,38	2,438	10,0	10	86,25
OKTLE018	Pegs		0,255	25,0	1/250	1,89



PRACTICABLE GRATING FOR DECKING



Code	Description	Color	Dimens. m ²	Box	€/each
GCR001	Grating	Green*	1	3	34,23
ABS001	Locking ring upper side	Green*	1	1	1,42
ABI001	Locking ring lower side	Green*	1	1	1,42
TGS001	Sign cap upper side	White**	1	1	1,42
TGI001	Sign cap lower side	White**	1	1	1,42

*Colours available on request: grey and beige **Colours available on request: grey and blue

OXYGENATORS

OXYGENATORS AND FLOATING WATER GAMES FOR PONDS AND FISH-FARMING



Code	Type	Supply	Hp	l/m	€
OKT027	Splash Series	Single-phase	0,5	2.000	1.893,10
OKT024	Splash Series	Three-phase	0,5	2.000	1.893,10
OKT028	Splash Series	Single-phase	1,0	3.200	2.118,60
OKT025	Splash Series	Three-phase	1,0	3.200	2.118,60
OKT040	Splash Series	Single-phase	1,5	3.100	2.262,10
OKT045	Splash Series	Three-phase	1,5	3.100	2.262,10
OKT070	Closed Splash protection				979,20
OKT071	Open Splash protection				979,20
OKT263	Sprint series	Single-phase	1,5		2.612,90
OKT265	Sprint series	Three-phase	1,5		2.612,90
OKT266	Lighting set with timer for Sprint 220V only	Single-phase			3.306,60

Note: for fish-farming and fishing other models available

OXYGENATORS










Discount category A



SURFACE OXYGENATORS OTTERBINE SERIES

NOTE: for price settlement please specify diffuser model and add the specific engine cost

DIFFUSERS

Code	Description	Function	Engine	Height m	Ø m	Flow-rate m ³ /h	Model	€	
OKT795	Sunburst	Ventilation	1 ÷ 3 Hp	1,2 ÷ 2,9	5 ÷ 8,6	114,4 ÷ 167,2	18-0038-50	1.080,00	
	OKT7955	Sunburst (solo 5 HP)	Ventilation	5 Hp	3,2	11,6	237,3	18-0081-50	1.764,00
OKT796	Gemini	Ventilation	1 ÷ 3 Hp	2 ÷ 3,5	4 ÷ 6,9	119,7 ÷ 172,6	18-0039-50	817,00	
	OKT7965	Gemini (solo 5 HP)	Ventilation	5 Hp	4,4	9,5	242,7	18-0082-50	1.669,00
OKT797	Saturn	Ventilation	1 ÷ 3 Hp	0,5 ÷ 1,4	2,1 ÷ 6,1	86,3 ÷ 125,1	18-0040-50	956,00	
	OKT7975	Saturn (solo 5 HP)	Ventilation	5 Hp	1,5	7	178	18-0083-50	1.616,00
	OKT798	Phoenix	Decorative	1 Hp 2 Hp 3 Hp 5 Hp	H 3,0 - L 1,2 H 4,0 - L 1,8 H 4,2 - L 2 H 4,2 - L 2	H 0,6 - L 5,5 H 0,6 - L 6,4 H 0,9 - L 7,2 H 0,9 - L 7,2	32,4 45,3 59,3 59,3	18-0041-50	3.933,00
	OKT799	Rocket	Decorative	1 Hp 2 Hp 3 Hp 5 Hp	3,8 ÷ 4,4 4,9 ÷ 5,5 5,6 ÷ 6,2 5,6 ÷ 6,2	1,5 1,5 2,4 2,4	23,7 33,4 43,2 43,2	18-0042-50	2.982,00
	OKT800	Tri-star	Decorative	1 Hp 2 Hp 3 Hp 5 Hp	H 3,0 - M 1,8 - L 0,9 H 4,0 - M 2,4 - L 1,2 H 4,6 - M 3,2 - L 2,0 H 4,6 - M 3,2 - L 2,0	H 0,6 M 2,7 L 4,0 H 0,6 M 3,0 L 5,2 H 0,9 M 3,8 L 6,1 H 0,9 M 3,8 L 6,1	32,4 45,3 59,3 59,3	18-0043-50	4.019,00
	OKT801	Comet	Decorative	1 Hp 2 Hp 3 Hp 5 Hp	2,8 ÷ 3,4 4,4 ÷ 5,0 5,2 ÷ 6,8 5,2 ÷ 6,8	1,5 1,5 2,4 2,4	28,0 39,9 51,8 51,8	18-0044-50	3.421,00
	OKT802	Genesis	Decorative	1 Hp 2 Hp 3 Hp 5 Hp	H 2,1 - L 1,2 H 3,4 - L 1,5 H 4,2 - L 1,7 H 4,2 - L 1,7	H 3,0 - L 7,6 H 4,0 - L 10,7 H 5,0 - L 13,7 H 5,0 - L 13,7	32,4 45,3 59,3 59,3	18-0045-50	4.238,00
	OKT803	Constellation	Decorative	1 Hp 2 Hp 3 Hp 5 Hp	H 1,2 - L 0,6 H 1,8 - L 0,6 H 2,4 - L 0,9 H 2,4 - L 0,9	H 2,7 - L 5,4 H 3,7 - L 7,6 H 4,6 - L 9,6 H 4,6 - L 9,6	32,4 45,3 59,3 59,3	18-0046-50	4.284,00

Note: H high jet - M medium jet - L low jet

ENGINES TO COMBINE

Code	Description	Model	€
OKT790	Fractional HP 0,5 - 230V	04-0014-220	6.030,00
OKT791	HP 1 - 230V	01-0111-215	10.976,00
OKT792	HP 2 - 230V	01-0112-215	12.819,00
OKT793	HP 3 - 380V	01-0113-335	14.697,00
OKT794	HP 5 - 380V	01-0115-335	17.968,00

LIGHTNING KIT

Code	Description	Model	€
OKT804	4 headlights 300 W 12V with 4 m cable	GL03	4.967,00

POLARIS HT PUMP



APPLICATION

- Professional pump for misting and humidification

SPECIFICS

- 3 pistons, high-strength ceramic coating
- Control manometer
- Metal casing with vibration dampeners and plastic cover
- Low noise level 60 dB(A)
- CE certified
- On/Off switch
- Dry running protection
- 40 bar safety control system (SSC) against high pressure rupture
- Thermal protection

FEATURES

- Working pressure: 70 bar
- Brass head
- 2 solenoid valves 230V in line
- 220 V - 2Hp self-ventilated motor
- Integrated digital timer (on/off cycles - time)
- RH% and T probe input (probes not included)
- Integrated digital hygostat (range 5-95% sensitivity 1%)
- Integrated digital thermostat PT100 probes
- BSP internal drain with pump cooling by-pass

Code	Description	Bar	l/m	Nozzles	Power		€
					W	A (50 Hz)	
ONF556	POLARIS-HT 230V 50 Hz Pump	70	1	8 - 22	550	2,8	3.260,40
ONF553	POLARIS-HT 230V 50 Hz pump	70	2	23 - 44	680	3,1	3.260,40
ONF557	Pump POLARIS-HT 230V 50 Hz	70	3	45 - 66	815	3,7	3.260,40
ONF554	Pump POLARIS-HT 230V 50 Hz	70	4	67 - 88	900	4,1	3.260,40
ONF555	Pump POLARIS-HT 230V 50 Hz	70	6	89 - 130	1.250	5,7	3.260,40

PREMIUM KIT POLYAMIDE LINE

APPLICATION

- For professional high-pressure spraying systems

COMPONENTS NO.



Code	AP Polyamide 3/8" tubing 80 cm rod	Nozzle connector 1 hole brass threaded 1/24"	90° elbow coupling brass quick coupling 3/8"	Tee brass quick coupler 3/8"	End-of-line plug-in nozzle fitting	Non-drip spray nozzle 0.20 mm hole	Rubberized stainless steel cable gland for 3/8" pipe fixing	Brass nozzle exclusion cap 1/24"	25 micron water filter for nozzle	€
ONF578	10	11	1	1	1	10	20	1	10	920,70
ONF579	20	21	2	2	2	20	40	2	20	1.432,20
ONF580	30	31	3	3	3	30	60	3	30	1.940,40
ONF581	50	51	5	5	5	50	100	5	50	2.963,40
ONF582	70	71	7	7	7	70	140	7	70	4.016,10

EACH KIT ALSO COMES WITH N°1



Filtration 2 x 9"1/2
5 + 1 micron accessories



Automatic drain valve with plug-in connection



Metal pipe cutter for pipes up to 1/2".



Polyamide 3/8" A.P. tube in 25 m reel

ANTI-MOSQUITO SYSTEMS

Discount category A

MOSKITO TERMINATOR



APPLICATION

- Perimeter mosquito defence system

SPECIFICS

- Anodised aluminium pump head
- High-strength three-piston pump
- Pressure regulating valve
- Inlet solenoid valve
- Non-return valve
- Area coverage up to 200 m²
- Motor thermal protection
- On/off switch
- Professional dosing pump
- TIME 2.0 digital timer
- 9 daily/weekly programs
- Stainless steel casing with vibration dampers
- Noise level: 60 dB (A)
- CE conformity

FEATURES

- Pressure 50 bar
- Motor 220 V 50 Hz 2 Hp self-ventilated
- Product capacity 5 litres
- Inlet connection: 10 mm
- High pressure hose connection ¼" PA
- Weight: 33 kg
- Dimensions L x W x H cm: 41.5 x 29.5 x 49
- Max. line length: 200 m
- Max nozzles: 55 (nozzle 0,30 mm)

Code	Description	€
ONF569	Fog Moskito pump -T 6/70 230-50	3.102,00

MOSKITO LINE KIT

COMPONENTS NO.



Code	Polyamide ¼" A.P. tube in 25 m reel	Brass nozzle fitting ¼" - 1 hole	90° elbow coupling brass quick coupling ¾"	¼" end connection nozzle holder	¼" end connection nozzle holder	Noxide Moskito atomising nozzle 0.30 mm hole	Rubberized stainless steel cable gland for ¾" pipe fixing	Flexible nickel-plated copper extension 30 cm	€
ONF571	2	12	6	2	2	12	20	12	818,40
ONF572	4	24	6	2	2	24	40	24	1.498,20
ONF573	6	36	6	2	2	36	60	36	2.178,00
ONF574	8	48	6	2	2	48	80	48	2.854,50

EACH KIT ALSO COMES WITH N°1



Pump connection hose 10 x 8 150 cm	Straight fitting ½" M - 10 mm brass	Tee brass quick coupler ¼"	Metal pipe cutter for pipes up to ½"
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INSECTICIDE AND REPELLENT PRODUCTS

PYRETHRUM SAFE EC



APPLICATION

- For general pest control against flies, mosquitoes, cockroaches and all domestic insects in homes, hospitals, clinics, schools, public buildings, communities, industries and food industries, as well as in rural environments

FEATURES

- Tested Concentrated insecticide based on natural Pyrethrum extract, odourless, non-flammable, with rapid knock-down and slimming action and insect-repellent effect
- Water-based

Code	Description	€
ONF236	Pyrethrum Safe EC concentrate / 1 litre	227,70

PERTRIN S



APPLICATION

- Effective against all flying and crawling insects in domestic, civil and industrial environments (excluding the food industry).

FEATURES

- Odourless, non-flammable, concentrated insecticide based on permethrin and tetramethrin, with abatement and residual action.
- Water based

Code	Description	€
ONF235	Pertrin S concentrate / 1 litre	125,40

VECTOBAC



FEATURES

- Organic larvicidal insecticide in granules, works exclusively by ingestion
- it is effective for the control of mosquito larvae of the species belonging to the Ochlerotatus, Aedes, Culex, Culiseta and Anopheles genera

Code	Description	€
MVR014	Formulated Vectobac 12as 10 l	490,90

ANTI-MOSQUITO SYSTEMS AND FERTILISATION

INJECTION KIT



APPLICATION

- System for biological contrast products injection like Bacillus Thuringiensis Israelensis

FEATURES

- Dosing pump is equipped with 2 adjustment knobs:
- The bigger one, placed in the centre, adjusts the injected quantity at each piston stroke
- The smaller one, on the right, adjusts the strokes frequency

Code	Description	Serbatoio l	€
OKTS102	Anti-mosquito kit	100	1.576,30
OKTS100	Anti-mosquito kit	300	1.778,70
OKTS101	Anti-mosquito kit	500	1.862,30



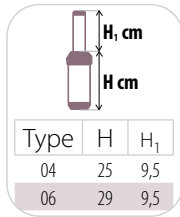
SPORT

LONG RANGE DYNAMIC SPRINKLERS



Discount category A

I80



SPECIFICS

- Range: 19.2 ÷ 29.5m
- Pressure: 3.4 ÷ 6.9 bar
- Nozzle flow rate: 2 ÷ 13.5 m³/h

- 1"1/2 female threaded connection
- Adjustable arc: 60° ÷ 360°

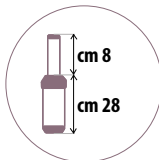
FEATURES

- Interchangeable mouthpiece set - 10 pieces
- Nozzle trajectory: 22.5°
- Aerator screw

- Adjustable arc 70° ÷ 360°
- Stainless steel piston body
- Working arc adjustment from the head

Code	Model	Box	€/each
OID643	I80 - 04 SSB	25	377,16
OID644	I80 - 06 SSB	25	406,18
OAA019	I80 patch holder kit		198,00

I90



SPECIFICS

- Range: 22.3 ÷ 31.4m
- Pressure: 5.0 ÷ 8.0 bar
- Nozzle flow rate: 6.7 ÷ 19.04 m³/h

- 1"1/2 female threaded connection
- Adjustable arc: 40° ÷ 360°

FEATURES

- Interchangeable mouthpiece set - 8 pieces
- Rubber cover
- Nozzle trajectory: 22.5°

- OID645 fixed 360° double nozzle
- OID646 adjustable bow
- Working arc adjustment from the head

Code	Box	€/each
OID645	20	378,31
OID646	20	378,44

Code	Description	€
OAA011	I90 patch holder kit	115,96

TORO



Code	Description	€
OID045	TS90 sprinkler with 9 nozzles set 1" female coupling	269,90
OAC011	Stabilizer to be used with TS90 sprinklers placed outside the natural grass field	60,80
OID046	MiniGRILLO for artificial grass or live system (artificial special turf for natural grassing to be placed to TS90 sprinklers, all positioned inside the field)	658,00

Code	Description	€
OID054	690 sprinkler series - 90° - N.O. hydr. valve	1.665,00
OID055	690 sprinkler series - 90° Check valve	1.665,00
OID056	690 sprinkler series - 90° 24V electric valve	1.830,00
OID057	690 sprinkler series - 180° N.O. hydr. valve	1.665,00
OID058	690 sprinkler series - 180° Check valve	1.665,00
OID059	690 sprinkler series - 180° 24V electric valve	1.830,00
OID060	690 sprinkler series - 360° N.O. hydr. valve	1.560,00
OID061	690 sprinkler series - 360° Check valve	1.560,00
OID062	690 sprinkler series - 360° 24V electric valve	1.720,00

Code	Description	€
FLX34-3537	360° kit nozzle series 35/37-23/28 cm	320,00
FLX35-3537	Partial kit nozzle series 35/37-22/25 cm	430,00
FLX30-46-1	Sprinkler body 1" 24V el.valve with solenoid	325,00
FLX30-42	Sprinkler body 1" with Check or Matic Valve	310,00
FLX54-5558	360° kit, nozzles series 55/58-22/29m	370,00
FLX55-5558	Partial kit, nozzles series 55/58-22/27m	455,00
FLX50-46-1	1½" sprinkler body, 24V el. valve with solenoid	365,00
FLX50-41	1" sprinkler body with N.O. hydraulic valve	346,00



Code	Description	€
OGR003	SC690 Toro sprinklers for sport areas N.O. hydraulic valve 1"½ female thread	3.550,00
OGR004	SC690 Toro sprinklers for sport areas 1"½ female thread	3.680,00



IRRIWALKER SELF-PROPELLED CART



APPLICATION

- Suitable for large green areas or sport areas

SPECIFICS

- Working speed: 10 ÷ 20 m/h
- Minimum working pressure: 3,5 bar
- Flow-rate: 3,0 m³/h
- Covered width: 28 ÷ 36 m
- Covered length: 120 m
- Dimensions: 77 x 47 x 40 cm
- Total weight: 33 kg
- Impact sprinkler, 7 mm nozzle
- 19 m throw-range at 4 bar to the sprinkler
- Rainfall: 6,5 ÷ 9 l/m, depending on the speed

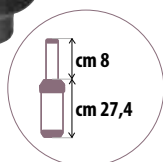
FEATURES

- Sector sprinkler allows to define the area to be irrigated
- Water flow can be adjusted for any application
- The precise sprinkler distribution and the constant speed of Irriwalker ensures a perfect irrigation
- Internal gears ensures minimum load losses and maintenance thank to a very low friction coefficient

Code	Description	€
OIR002	Irriwalker Self moving cart with sprinkler for sport areas with ZE-30w	2.992,00

Discount category A

HYDRA-2-XS SERIES GEAR DRIVE POP-UP SPRINKLER



APPLICATION

- Sport areas, golf courses

SPECIFICS

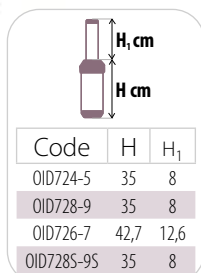
- Nozzle: 4 – 5 – 6 mm (4 mm standard)
- Nozzles: 1
- Working pressure: 3,0 ÷ 6,0 bar
- Throw-range: 13 ÷ 19 m
- Hourly flow-rate: 1,0 ÷ 3,2 m³/h
- Angle: 25°
- Coupling: 1" female - brass bush

FEATURES

- Central flow system reduces the hydraulic friction and improves performances
- Both sectors, left (+/- 90°) and right (30°/360°) are adjustable
- Closed cage rotor
- Adjustable rotation speed (100 – 150 sec/360°)
- High-resistance ball bearings
- Maintenance by sprinkler upper part

Code	Model	Coverage	Throw _{max} m	€
OID720	hydraulic	full circle	19,0	206,00
OID721	hydraulic	sector	19,0	248,00

HYDRA-2-M SERIES GEAR DRIVE POP-UP SPRINKLER



APPLICATION

- Sport areas, golf courses

SPECIFICS

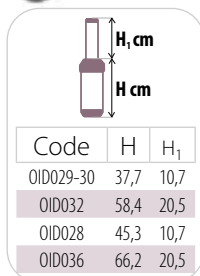
- Nozzle: 7 – 8 – 9 – 10 - 11 (10 mm standard)
- Nozzles: 3,4
- Working pressure: 4,0 ÷ 7,0 bar
- Throw-range: 20 ÷ 29 m
- Hourly flow-rate: 4,2 ÷ 12,8 m³/h
- Angle: 25°
- Coupling: 1" ½ female - brass bush

FEATURES

- Central flow system reduces the hydraulic friction and improves performances
- Both sectors, left (+/- 90°) and right (30°/360°) are adjustable
- Closed cage rotor
- Adjustable rotation speed (100 – 150 sec/360°)
- High-resistance ball bearings
- Maintenance by sprinkler upper part
- Manual control and pressure regulation can be carried out from the top of the sprinkler (ON-OFF-AUTO)

Code	Model	Coverage	Throw _{max} m	€
OID724	hydraulic	full circle	29	465,00
OID725	hydraulic	sector	29	530,00
OID728	24V AC	full circle	29	568,00
OID729	24V AC	sector	29	610,00
OID726	hydraulic, sode cup	full circle	29	604,00
OID727	hydraulic, sode cup	sector	29	650,00
OID728S	24V AC for synthetic	full circle	29	742,00
OID729S	24V AC for synthetic	sector	29	758,00

TRITON-L SERIES IMPACT POP-UP SPRINKLER



APPLICATION

- Natural and synthetic sport areas

SPECIFICS

- Nozzle: 10 available nozzles - 7 ÷ 17,5 mm (9 mm standard)
- Nozzles: full circle with 3 nozzles - sector with 2 nozzles
- Working pressure: 3,0 ÷ 8,0 bar
- Throw-range: 19 ÷ 38 m
- Hourly flow-rate: 4,6 ÷ 28,6 m³/h
- Angle: 22°
- Coupling: 1"½ female - brass bush

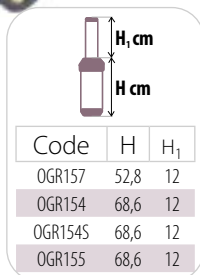
FEATURES

- High rotating speed < 1min/360°
- Easily adjustable sector, no tools
- Water jet high stability in windy area as well
- Greater safety thank to the stainless steel upright
- Cap assembling/disassembling, no tools needed
- Manteinance by the sprinkler upper side
- Manual control from the top
- Excellent watering uniformity
- Standard cover or with sode cup

Code	Model	Coverage	Throw _{max} m	€
OID029*	hydraulic	full circle	38	605,00
OID030*	hydraulic	sector	38	710,00
OID032*	hydraulic, sode cup	full circle	38	1.001,00
OID028	24 V AC	sector	38	920,00
OID036	24 V AC, sode cup	full circle	38	1.257,00

*Available while stocks last

VP3 SERIES PISTON DRIVE POP-UP SPRINKLER



APPLICATION

- Synthetic sport areas

SPECIFICS

- Nozzle: 16 – 20 – 24 mm
- Working pressure: 4,0 ÷ 8,0 bar
- Throw-range: 34 ÷ 54 m
- Hourly flow-rate: 26 ÷ 69 m³/h
- Angle: 25°
- Coupling: 2" female - brass mouthpiece

FEATURES

- Sport fields total cover from outside with no sprinkler inside the play area
- Driving by closed piston for a precise watering
- Optional: coupling solenoid for single control, by quick and cost-effective installation - optimized flow valve with very low load losses
- The "sector scout" function (optional) defines the start/stop point, identical for each head
- Manteinance by the upper part of the sprinkle

Code	Model	Coverage	Throw _{max} m	€
OGR157	hydraulic	sector	54,0	2.685,00
OGR154	24V AC	sector	54,0	2.946,00
OGR154S	9V latch	sector	54,0	3.545,00
OGR155	24V AC scout	sector	54,0	3.605,00

IRRIGATION FOR SPORTS AREAS

Discount category A

POP-UP SPRINKLER SPORTGUN



APPLICATION

- Synthetic sport areas sprinklers

SPECIFICS

- Throw range: 29 ÷ 38 m
- Pressure: 3,0 ÷ 6,0 bar
- Nozzles flow-rate: 21,0 ÷ 29,8 m³/h

- 1"½ female threaded fitting
- Sector: 0 ÷ 360°
- Lifting height: 18 cm

FEATURES

- Interchangeable standard mouthpiece: 18 - 4
- High resistance to sand and pressure by built in seal
- Easy maintenance
- Plastic and stainless steel body and internal part
- Rubber cap

Code	Body cm	€
AIR091	52	639,00

POP-UP SPRINKLER PLAYGROUD/FLEXY



APPLICATION

- Synthetic sport areas sprinklers

SPECIFICS

- Throw range: 36 ÷ 48 m
- Pressure: 4,0 ÷ 8,0 bar
- Flow-rate: 38,9 ÷ 55,2 m³/h

- 2" female threaded fitting
- Sector: 0 ÷ 360°
- Lifting height: 14 cm

FEATURES

- Interchangeable standard mouthpiece: 22 - 6
- An internal rubber folding top, avoids the passage of sand
- Easy maintenance
- AIR093: POP UP
- AIR094: POP UP with 24v electrovalve
- AIR105 FLWXY: shrubbler
- Plastic and stainless steel body and internal part

Code	Body cm	€
AIR093	57	1.211,00
AIR094	55	2.386,00

Flexy		
AIR105	57	516,00

Code	H	H ₁
AIR093	57	14
AIR094	55	13

DURA SERIES COUPLING



Code	Description	Couplings	Length cm	€
OAC096	4 pieces coupling	1"	30	116,43
OAC098	4 pieces coupling	1"	45	129,05
OAC097	4 pieces coupling	1"½	30	187,81
OAC038	4 pieces coupling	1"½	45	200,46

SELF MOVING CARTS WITH SPRINKLER



APPLICATION

- Irrigating cart for parks and sport fields

SPECIFICS

- Driving by working pressure at sprinkler input, 1,5/6,2 bar
- Adjustable rewind speed for a correct watering
- Mechanical rewind stop
- Towing bar with hook for lawn mower
- Pressure gauge
- Sector adjustable sprinkler with spare nozzles
- PE PN6 BD hose
- Endless-screw hoseguide for a perfect hose rewinding, rail-chair mounted sprinkler
- On request: variable track wheel cart and water stop by irrigation end

Code	Description	Model	Ø mm	Hose m	€
OIRO45	By piston with accessories	SR S300	32	90	4.134,90
OIRO46	By piston with accessories	SR S404	40	130	6.692,70
OIRO47	By piston with accessories	SR 405	40	130	8.327,50
OIRO48	By piston with accessories	SR 505	50	170	10.924,90

NOTE



TECHNICAL APPENDIX

CONVERSION TABLES

MILS-MILLIMETERS-MICRONS CONVERSION TABLE

mil	mm	micron	mil	mm	micron
1	0,025	25,4	51	1,295	1.295,4
2	0,051	50,8	52	1,321	1.320,8
3	0,076	76,2	53	1,346	1.346,2
4	0,102	101,6	54	1,372	1.371,6
5	0,127	127,0	55	1,397	1.397,0
6	0,152	152,4	56	1,422	1.422,4
7	0,178	177,8	57	1,448	1.447,8
8	0,203	203,2	58	1,473	1.473,2
9	0,229	228,6	59	1,499	1.498,6
10	0,254	254,0	60	1,524	1.524,0
11	0,279	279,4	61	1,549	1.549,4
12	0,305	304,8	62	1,575	1.574,8
13	0,330	330,2	63	1,600	1.600,2
14	0,356	355,6	64	1,626	1.625,6
15	0,381	381,0	65	1,651	1.651,0
16	0,406	406,4	66	1,676	1.676,4
17	0,432	431,8	67	1,702	1.701,8
18	0,457	457,2	68	1,727	1.727,2
19	0,483	482,6	69	1,753	1.752,6
20	0,508	508,0	70	1,778	1.778,0
21	0,533	533,4	71	1,803	1.803,4
22	0,559	558,8	72	1,829	1.828,8
23	0,584	584,2	73	1,854	1.854,2
24	0,610	609,6	74	1,880	1.879,6
25	0,635	635,0	75	1,905	1.905,0
26	0,660	660,4	76	1,930	1.930,4
27	0,686	685,8	77	1,956	1.955,8
28	0,711	711,2	78	1,981	1.981,2
29	0,737	736,6	79	2,007	2.006,6
30	0,762	762,0	80	2,032	2.032,0
31	0,787	787,4	81	2,057	2.057,4
32	0,813	812,8	82	2,083	2.082,8
33	0,838	838,2	83	2,108	2.108,2
34	0,864	863,6	84	2,134	2.133,6
35	0,889	889,0	85	2,159	2.159,0
36	0,914	914,4	86	2,184	2.184,4
37	0,940	939,8	87	2,210	2.209,8
38	0,965	965,2	88	2,235	2.235,2
39	0,991	990,6	89	2,261	2.260,6
40	1,016	1.016,0	90	2,286	2.286,0
41	1,041	1.041,4	91	2,311	2.311,4
42	1,067	1.066,8	92	2,337	2.336,8
43	1,092	1.092,2	93	2,362	2.362,2
44	1,118	1.117,6	94	2,388	2.387,6
45	1,143	1.143,0	95	2,413	2.413,0
46	1,168	1.168,4	96	2,438	2.438,4
47	1,194	1.193,8	97	2,464	2.463,8
48	1,219	1.219,2	98	2,489	2.489,2
49	1,245	1.244,6	99	2,515	2.514,6
50	1,270	1.270,0	100	2,540	2.540,0

MESH - INCH - MICRON - MILLIMETRE CONVERSION

mesh	inches	micron	mm
3	0,2650	6.730	6,730
4	0,1870	4.760	4,760
5	0,1570	4.000	4,000
6	0,1320	3.360	3,360
7	0,1110	2.830	2,830
8	0,0937	2.380	2,380
10	0,0787	2.000	2,000
12	0,0661	1.680	1,680
14	0,056	1.410	1,410
16	0,0469	1.190	1,190
18	0,0394	1.000	1,000
20	0,0331	841	0,841
25	0,0280	707	0,707
30	0,0232	595	0,595
35	0,0197	500	0,500
40	0,0165	400	0,400
45	0,0138	354	0,354
50	0,0117	297	0,297
60	0,0098	250	0,250
70	0,0083	210	0,210
80	0,0070	177	0,177
100	0,0059	149	0,149
120	0,0049	125	0,125
140	0,0041	105	0,105
170	0,0035	88	0,088
200	0,0029	74	0,074
230	0,0024	63	0,063
270	0,0021	53	0,053
325	0,0017	44	0,044
400	0,0015	37	0,037

RONDO FOGGER

POSITIONING AND CU % UNIFORMITY

m among emitters	m among rows	fogger	
		47 l/h	61 l/h
0,5	0,5	■	■
0,7	0,7	■	■
0,8	0,8	■	■
0,9	0,9	■	■
1	1	■	■
1,2	1,2	■	■
1,4	1,4	■	■

100 cm height - upside down positioning - pressure 30 mH2O

RONDO MINI SPRINKLERS

BLACK SPINNER - CU%

Positioning m	Height from ground cm	Black		Blue		Green		Red		White		Violet		Yellow		Brown		Orange			
		l/h																			
		39		51		75		102		132		174		205		254		298			
		CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
2x2	25	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0	■	43,5	■	51,3	■	63,5	■	74,5		
2x2	80	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0	■	43,5	■	51,3	■	63,5	■	74,5		
2,5x2,5	25	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1	■	27,8	■	32,8	■	40,6	■	47,7		
2,5x2,5	80	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1	■	27,8	■	32,8	■	40,6	■	47,7		
3x3	25	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7	■	19,3	■	22,8	■	28,2	■	33,1		
3x3	80	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7	■	19,3	■	22,8	■	28,2	■	33,1		
3,5x3,5	25	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8	■	14,2	■	16,7	■	20,7	■	24,3		
3,5x3,5	80	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8	■	14,2	■	16,7	■	20,7	■	24,3		
4x4	25	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3	■	10,9	■	12,8	■	15,9	■	18,6		
4x4	80	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3	■	10,9	■	12,8	■	15,9	■	18,6		
4,5x4,5	25	■	1,9	■	2,5	■	3,7	■	5,0	■	6,5	■	8,6	■	10,1	■	12,5	■	14,7		
4,5x4,5	80	■	1,9	■	2,5	■	3,7	■	5,0	■	6,5	■	8,6	■	10,1	■	12,5	■	14,7		
5x5	25	■	1,6	■	2,0	■	3,0	■	4,1	■	5,3	■	7,0	■	8,2	■	10,2	■	11,9		
5x5	80	■	1,6	■	2,0	■	3,0	■	4,1	■	5,3	■	7,0	■	8,2	■	10,2	■	11,9		
5,5x5,5	25	■	1,7	■	2,5	■	3,4	■	4,4	■	5,8	■	6,8	■	8,4	■	9,9	■	9,9		
5,5x5,5	80	■	1,7	■	2,5	■	3,4	■	4,4	■	5,8	■	6,8	■	8,4	■	9,9	■	9,9		
6x6	25	■	2,1	■	2,8	■	3,7	■	4,8	■	5,7	■	7,1	■	8,3	■	8,3	■	8,3		
6x6	80	■	1,4	■	2,1	■	2,8	■	3,7	■	4,8	■	5,7	■	7,1	■	8,3	■	8,3		
6,5x6,5	25	■	2,4	■	3,1	■	4,1	■	4,9	■	6,0	■	7,1	■	8,3	■	8,3	■	8,3		
6,5x6,5	80	■	1,8	■	2,4	■	3,1	■	4,1	■	4,9	■	6,0	■	7,1	■	8,3	■	8,3		
7x7	25	■	2,1	■	2,7	■	3,6	■	4,2	■	5,2	■	6,1	■	7,1	■	8,3	■	8,3		
7x7	80	■	1,5	■	2,1	■	2,7	■	3,6	■	4,2	■	5,2	■	6,1	■	7,1	■	8,3		
7,5x7,5	25	■	1,8	■	2,3	■	3,1	■	3,6	■	4,5	■	5,3	■	6,1	■	7,1	■	8,3		
7,5x7,5	80	■	1,8	■	2,3	■	3,1	■	3,6	■	4,5	■	5,3	■	6,1	■	7,1	■	8,3		
8x8	25	■	2,7	■	3,2	■	4,0	■	4,7	■	5,3	■	6,5	■	7,6	■	9,1	■	10,7		
8x8	80	■	2,1	■	2,7	■	3,2	■	4,0	■	4,7	■	5,3	■	6,5	■	7,6	■	9,1		

Upwards positioning - pressure 20 mH2O

VIOLET SPINNER - CU% HEIGHT FROM GROUND CM 25

Posit. m	Black		Blue		Green		Red		White		Black		Blue		Green		Red		White	
	l/h																			
	39		51		75		102		132		39		51		75		102		132	
	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
2x2	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0
2,5x2,5	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1
3x3	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7
3,5x3,5	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8
4x4	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3
4,5x4,5	■	2,5	■	3,7	■	5,0	■	6,5	■	8,6	■	2,5	■	3,7	■	5,0	■	6,5	■	8,6
5x5	■	1,6	■	2,0	■	3,0	■	4,1	■	5,3	■	1,6	■	2,0	■	3,0	■	4,1	■	5,3
5,5x5,5	■	1,7	■	2,5	■	3,4	■	4,4	■	5,8	■	1,7	■	2,5	■	3,4	■	4,4	■	5,8

Upwards positioning - pressure 20 mH2O

BLUE SPINNER - CU% HEIGHT FROM GROUND CM 100

Posit. m	Black		Blue		Green		Red		White		Black		Blue		Green		Red		White	
	l/h																			
	39		51		75		102		132		39		51		75		102		132	
	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
2x2	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0
2,5x2,5	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1
3x3	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7
3,5x3,5	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8
4x4	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3
4,5x4,5	■	2,5	■	3,7	■	5,0	■	6,5	■	8,6	■	2,5	■	3,7	■	5,0	■	6,5	■	8,6
5x5	■	1,6	■	2,0	■	3,0	■	4,1	■	5,3	■	1,6	■	2,0	■	3,0	■	4,1	■	5,3
5,5x5,5	■	1,7	■	2,5	■	3,4	■	4,4	■	5,8	■	1,7	■	2,5	■	3,4	■	4,4	■	5,8

Upside down positioning - pressure 20 mH2O

Legend

■ > 95% ■ ≤ 95% ÷ > 90% ■ ≤ 90% ÷ > 85% ■ ≤ 85%

MICRO IRRIGATION

GREEN SPINNER RONDO - CU%

Posit. m	Height from ground cm	Black		Blue		Green		Red		White		Violet		Yellow		Brown		Orange			
		l/h																			
		39		51		75		102		132		174		205		254		298			
		CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h		
2x2	100	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0	■	33,0	■	51,3	■	63,5	■	74,5		
2x2	200	■	9,8	■	12,8	■	18,8	■	25,5	■	33,0	■	33,0	■	51,3	■	63,5	■	74,5		
2,5x2,5	100	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1	■	21,1	■	32,8	■	40,6	■	47,7		
2,5x2,5	200	■	6,2	■	8,2	■	12,0	■	16,3	■	21,1	■	21,1	■	32,8	■	40,6	■	47,7		
3x3	100	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7	■	14,7	■	22,8	■	28,2	■	33,1		
3x3	200	■	4,3	■	5,7	■	8,3	■	11,3	■	14,7	■	14,7	■	22,8	■	28,2	■	33,1		
3,5x3,5	100	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8	■	10,8	■	16,7	■	20,7	■	24,3		
3,5x3,5	200	■	3,2	■	4,2	■	6,1	■	8,3	■	10,8	■	10,8	■	16,7	■	20,7	■	24,3		
4x4	100	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3	■	8,3	■	12,8	■	15,9	■	18,6		
4x4	200	■	2,4	■	3,2	■	4,7	■	6,4	■	8,3	■	8,3	■	12,8	■	15,9	■	18,6		
4,5x4,5	100	■	1,9	■	2,5	■	3,7	■	5,0	■	6,5	■	6,5	■	10,1	■	12,5	■	14,7		
4,5x4,5	200	■	1,9	■	2,5	■	3,7	■	5,0	■	6,5	■	6,5	■	10,1	■	12,5	■	14,7		
5x5	100	■	1,6	■	2,0	■	3,0	■	4,1	■	5,3	■	5,3	■	8,2	■	10,2	■	11,9		
5x5	200	■	1,6	■	2,0	■	3,0	■	4,1	■	5,3	■	5,3	■	8,2	■	10,2	■	11,9		
5,5x5,5	100	■		■	2,5	■	3,4	■	4,4	■	4,4	■	4,4	■	6,8	■	8,4	■	9,9		
5,5x5,5	200	■	1,3	■	1,7	■	2,5	■	3,4	■	4,4	■	4,4	■	6,8	■	8,4	■	9,9		
6x6	100	■		■	2,1	■	2,8	■	3,7	■	3,7	■	3,7	■	5,7	■	7,1	■	8,3		
6x6	200	■		■	1,4	■	2,1	■	2,8	■	3,7	■	3,7	■	5,7	■	7,1	■	8,3		
6,5x6,5	100	■		■		■	2,4	■	3,1	■	3,1	■	3,1	■	4,9	■	6,0	■	7,1		
6,5x6,5	200	■		■		■	2,4	■	3,1	■	3,1	■	3,1	■	4,9	■	6,0	■	7,1		
7x7	100	■		■		■		■	2,1	■	2,7	■	2,7	■	4,2	■	5,2	■	6,1		
7x7	200	■		■		■		■	2,1	■	2,7	■	2,7	■	4,2	■	5,2	■	6,1		
7,5x7,5	100	■		■		■		■		■		■	3,1	■	3,6	■	4,5	■	5,3		
7,5x7,5	200	■		■		■		■		■		■	3,1	■	3,6	■	4,5	■	5,3		
8x8	200	■		■		■		■		■		■	2,7	■	3,2	■	4,0	■	4,7		

Upside down positioning - pressure 20 mH2O

RFR RONDO MINI SPRINKLERS SELF-COMPENSATING

GRAY SPINNER - CU%

Posizi. m	Height from ground cm	Blue		Dark blue		Red	
		l/h					
		30		41		70	
		CU	mm/h	CU	mm/h	CU	mm/h
2x2	25	■	7,5	■	10,3	■	17,5
2,5x2,5	25	■	4,8	■	6,6	■	11,2
3x3	25	■	3,3	■	4,6	■	7,8
3,5x3,5	25	■	2,4	■	3,3	■	5,7
4x4	25	■	1,9	■	2,6	■	4,4
4,5x4,5	25	■		■	2,0	■	3,5
5x5	25	■		■		■	2,8

Upwards positioning - pressure 20 mH2O

RED SPINNER - CU%

Posizi. m	Height from ground cm	Blue		Dark blue		Red	
		l/h					
		30		41		70	
		CU	mm/h	CU	mm/h	CU	mm/h
2x2	25	■	7,5	■	10,3	■	17,5
2,5x2,5	25	■	4,8	■	6,6	■	11,2
3x3	25	■		■	4,6	■	7,8
3,5x3,5	25	■		■		■	5,7
4x4	25	■		■		■	4,4

Upside down positioning - pressure 20 mH2O

SUPER XL MINI SPRINKLERS

Positioning m	Height from ground cm	Violet		Yellow		Brown		Orange	
		l/h							
		191		235		290		341	
		CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h
6x6	75	■	5,81	■	7,17	■	8,75	■	10,36
6x7	75	■	4,98	■	6,14	■	7,50	■	8,88
6x8	75	■	4,35	■	5,38	■	6,56	■	7,77
6x9	75	■	3,87	■	4,78	■	5,83	■	6,91
6x10	75	■	3,48	■	4,30	■	5,25	■	6,22
7x7	75	■	4,27	■	5,27	■	6,43	■	7,61
7x8	75	■	3,73	■	4,61	■	5,63	■	6,66
7x9	75	■	3,32	■	4,10	■	5,00	■	5,92
7x10	75	■	2,99	■	3,69	■	4,50	■	5,33
8x8	75	■	3,27	■	4,03	■	4,92	■	5,83
8x9	75	■	2,90	■	3,58	■	4,38	■	5,18
8x10	75	■	2,61	■	3,23	■	3,94	■	4,66
9x9	75	■	2,58	■	3,19	■	3,89	■	4,60
9x10	75	■	2,32	■	2,87	■	3,50	■	4,14

Upwards positioning - pressure 25 mH2O

Legend

■ > 95% ■ ≤ 95% ÷ > 90% ■ ≤ 90% ÷ > 85% ■ ≤ 85%

XCEL WOBBLER MINI SPRINKLERS

Nozzle	Pressure bar	Distances m	CU %	SC %	High cm	Precip. mm/h
Grey high	1,38	6,10 x 6,10	■	1,13	45	15,5
	1,72	7,62 x 7,62	■	1,45	45	11,2
Turquoise high	1,38	6,10 x 6,10	■	1,14	45	19,3
	1,72	7,62 x 7,62	■	1,30	45	13,7

Upwards positioning

Legend	■ > 95%	■ ≤ 95% ÷ > 90%	■ ≤ 90% ÷ > 85%	■ ≤ 85%
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SC10 SERIES MINI SPRINKLERS

SC10 - PERFORMANCE TABLE
RAINFALL (MM/H) AND UNIFORMITY (CU) AT DIFFERENT SPACINGS

Nozzle colour	P (bar)	Q (l/h)	D (m)	Distances (m)												
				9 x 9		9 x 10		10 x 10		9 x 12		10 x 12		12 x 12		
				CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	CU	mm/h	
Blue	2,5	360	18,0	■	4,5	■	4,0	■	3,6							
	3,0	395	17,5	■	4,9	■	4,4	■	3,9							
	3,5	425	17,0	■	5,3	■	4,8	■	4,2							
	4,0	455	17,0	■	5,6	■	5,1	■	4,6							
F.R.	3,0 ÷ 5,0	360	18,0	■	4,5	■	4,1	■	3,7							
Yellow	2,5	450	20,0	■	5,7	■	5,1	■	4,6	■	4,3	■	3,8	■	3,2	
	3,0	495	20,0	■	6,1	■	5,5	■	4,9	■	4,6	■	4,1	■	3,4	
	3,5	530	20,0	■	6,6	■	5,9	■	5,3	■	4,9	■	4,4	■	3,7	
	4,0	570	20,0	■	7,1	■	6,4	■	5,7	■	5,3	■	4,8	■	4,0	
F.R.	3,0 ÷ 5,0	450	20,0	■	5,5	■	5,0	■	4,5	■	4,2	■	3,7	■	3,1	
Green	2,5	550	20,0	■	6,7	■	6,0	■	5,4	■	5,0	■	4,5	■	3,8	
	3,0	600	20,0	■	7,4	■	6,7	■	6,0	■	5,5	■	5,0	■	4,2	
	3,5	650	20,0	■	8,0	■	7,2	■	6,5	■	6,0	■	5,4	■	4,5	
	4,0	695	20,0	■	8,6	■	7,8	■	7,0	■	6,5	■	5,8	■	4,8	
F.R.	3,0 ÷ 5,0	550	20,0	■	6,9	■	6,2	■	5,6	■	5,2	■	4,3	■	3,9	
Red	2,5	670	21,0	■	8,3	■	7,4	■	6,7	■	6,2	■	5,6	■	4,6	
	3,0	735	21,0	■	9,0	■	8,1	■	7,3	■	6,8	■	6,1	■	5,1	
	3,5	790	21,0	■	9,6	■	8,7	■	7,8	■	7,2	■	6,5	■	5,4	
	4,0	850	21,0	■	10,5	■	9,4	■	8,5	■	7,9	■	7,1	■	5,9	
F.R.	3,0 ÷ 5,0	670	21,0	■	8,2	■	7,5	■	6,7	■	6,2	■	5,6	■	4,7	

F.R.: Flow regulator

Legend	■ > 92%	■ ≤ 92% ÷ > 89%	■ ≤ 89% ÷ > 85%	■ ≤ 85%
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PLASTIC IMPACT SPRINKLERS

Positioning m	Model					
	SI 22		SI 228		SI 46F	
	CU	mm/h	CU	mm/h	CU	mm/h
9 x 9	■	7,90	■	8,56		
9 x 10	■	7,10				
10 x 10	■	6,40	■	6,93		
11 x 11			■	5,73		
9 x 12	■	5,90				
10 x 12	■	4,80	■	5,78		
12 x 12			■	4,81	■	11,13
13 x 13					■	9,48
14 x 14					■	8,17
15 x 15					■	7,12

Legend	■ > 95%	■ ≤ 95% ÷ > 90%	■ ≤ 90% ÷ > 85%	■ ≤ 85%
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MICRO IRRIGATION

AIR SERIES IMPACT SPRINKLERS

Code	Dist. m	CU %	Precip. mm/h	Code	Dist. m	CU %	Precip. mm/h	Code	Dist. m	CU %	Precip. mm/h
AIR110	8x8	■	5,2	AIR114	10x10	■	18,3	AIR100	6x6	■	22,4
	9x9	■	4,1		11x11	■	15,1		7x7	■	16,5
	10x10	■	3,3		12x12	■	12,7		8x8	■	12,6
AIR111	8x8	■	4,7		13x13	■	10,8	AIR095	12x12	■	16,1
	9x9	■	3,7		14x14	■	9,3		13x13	■	13,7
	10x10	■	3,0	15x15	■	8,1	14x14		■	11,8	
	11x11	■	2,5	AIR115	12x12	■	24,7		15x15	■	10,3
12x12	■	2,1	13x13		■	21,0	AIR098	15x15	■	21,5	
AIR112	8x8	■	5,6		14x14	■		18,1	18x18	■	14,9
	9x9	■	4,4		15x15	■		15,8	21x21	■	11,0
	10x10	■	3,6		16x16	■	13,9	AIR099	21x21	■	28,9
	11x11	■	3,0	17x17	■	12,3	24x24		■	22,1	
12x12	■	2,5	18x18	■	11,0	27x27	■		17,5		
AIR116					15x15	■	28,6	30x30	■	14,2	
					18x18	■	19,8				
					21x21	■	14,6				

Legend ■ > 95% ■ ≤ 95% ÷ > 90% ■ ≤ 90% ÷ > 85% ■ ≤ 85%

FUNNY IMPACT SPRINKLER
























































Ø nozzle mm	Pressure atm	Throw m	Flow-rate l/m	1 sprinkler				1 sprinkler				
				S	I	D	S	I	D	D1	S	I
				m ²	mm/h	m	m ²	mm/h	m	m	m ²	mm/h
5	1,5	12,5	20	490	2,4	17	289	4,1	21	18	378	3,2
	2	13,5	22	572	2,3	19	361	3,6	23	20	460	2,8
	3	15	27	706	2,2	21	441	3,6	25	22	550	2,9
	4	16,5	32	854	2,2	23	529	3,6	28	24	672	2,8
6	1,5	13	28	530	3,0	18	324	4,9	22	19	418	3,8
	2	14,5	32	660	2,8	20	400	4,7	25	21	525	3,6
	3	16,5	39	854	2,6	23	529	4,3	28	24	672	3,4
	4	17,5	45	961	2,8	24	576	4,6	30	26	780	3,4
7	1,5	14	37	615	3,5	20	400	5,5	24	21	504	4,3
	2	15	42	706	3,6	21	441	5,8	25	22	550	4,7
	3	17	52	907	3,4	24	576	5,4	29	25	725	4,3
	4	18,5	60	1074	3,4	26	676	5,5	32	27	864	4,3
9	1,5	15	62	706	5,2	21	441	8,4	25	22	550	6,7
	2	16,5	71	855	5,0	23	529	8,0	28	24	672	6,3
	3	18,5	87	1074	4,8	26	676	7,7	32	27	864	6,0
	4	19,5	100	1193	5,1	27	729	8,3	33	29	957	6,3

K1 IMPACT SPRINKLER

Ø nozzle mm	Pressure atm	Throw m	Flow-rate l/m	1 sprinkler				1 sprinkler				
				S	I	D	S	I	D	D1	S	I
				m ²	mm/h	m	m ²	mm/h	m	m	m ²	mm/h
8	1,5	15,5	49	754	3,8	22	484	6,0	26	23	598	4,8
	2	17,0	57	908	3,7	24	576	5,9	29	25	725	4,7
	3	19,0	69	1134	3,6	26	676	6,0	32	28	896	4,6
	4	20,5	80	1319	3,6	29	841	5,7	35	30	1050	4,5
9	1,5	16,5	62	855	4,3	23	529	7,0	28	24	672	5,5
	2	17,5	71	962	4,3	24	576	7,3	30	26	780	5,4
	3	19,5	87	1194	4,3	27	729	7,1	33	29	957	5,4
	4	21,0	100	1384	4,3	29	841	7,1	36	31	1116	5,3
10	1,5	17,0	76	908	4,9	24	576	7,8	29	25	725	6,2
	2	18,0	88	1017	5,2	25	625	8,4	31	27	837	6,3
	3	20,5	107	1319	4,8	29	841	7,6	35	30	1050	6,1
	4	22,0	124	1520	4,8	31	961	7,7	38	33	1254	5,9
12	1,5	17,0	110	908	7,2	24	576	11,4	29	25	725	9,1
	2	19,0	127	1134	6,7	26	676	11,2	32	28	896	8,5
	3	21,0	155	1384	6,7	29	841	11,0	36	31	1116	8,3
	4	23,5	179	1734	6,2	33	1089	9,8	40	35	1400	7,6

Legend S = Irrigated area I = Hourly precipitation D = Sprinklers distance on the pipeline D1 = Distance between 2 contiguous pipelines

"Y" CYCLON EFFECT SCREEN STF

REFERENCE FLOW RATES	FY - 2" - CIC	FY - 3" - CIC					
<ul style="list-style-type: none"> Depending on the number of plugs used to occlude the baffle holes, to ensure the "cyclone" effect, and keep the pressure drop within 0.5 bar. In the diagrams the plugged holes are coloured red. 	 26,8 m ³ /h  21,6 m ³ /h  18,5 m ³ /h  14,7 m ³ /h	 52,5 m ³ /h  50,5 m ³ /h  49,0 m ³ /h  46,8 m ³ /h  42,9 m ³ /h					
	 12,0 m ³ /h  8,5 m ³ /h  6,0 m ³ /h  2,5 m ³ /h	 40,3 m ³ /h  36,6 m ³ /h  34,2 m ³ /h  30,7 m ³ /h  28,5 m ³ /h					
FY - 4" - CIC / FY 5" CIC		FY - 6" - CIC					
 65,0 m ³ /h  63,0 m ³ /h  59,0 m ³ /h  56,5 m ³ /h  54,3 m ³ /h  50,5 m ³ /h  49,0 m ³ /h		 112,0 m ³ /h  107,0 m ³ /h  103,5 m ³ /h  100,0 m ³ /h  98,0 m ³ /h  94,8 m ³ /h					
 46,5 m ³ /h  43,4 m ³ /h  41,3 m ³ /h  39,0 m ³ /h  36,0 m ³ /h  33,8 m ³ /h		 92,0 m ³ /h  90,0 m ³ /h  86,9 m ³ /h  83,0 m ³ /h  80,9 m ³ /h  77,3 m ³ /h					
		 75,8 m ³ /h  74,0 m ³ /h  73,0 m ³ /h  69,9 m ³ /h  66,5 m ³ /h  63,8 m ³ /h					
		 61,5 m ³ /h  58,5 m ³ /h  57,0 m ³ /h  54,0 m ³ /h  52,8 m ³ /h  49,0 m ³ /h					

FERTIGATION

VENTURI

ASPIRATION CAPACITY CHART DEPENDING ON PRESSURE

Pressure		¾"		1"		1½"		2"	
Input	Output	Flow-rate through injector	Aspiration	Flow-rate through injector	Aspiration	Flow-rate through injector	Aspiration	Flow-rate through injector	Aspiration
mH2O	mH2O	l/h	l/h	l/h	l/h	l/h	l/h	l/h	l/h
20	10,0	1.310	165	4.295	290	7.050	700	10.250	710
20	12,5	1.310	115	4.295	157	7.050	440	10.250	630
20	15,0	1.310	53	4.295	30	7.050	130	10.250	275
25	10,0	1.505	185	4.647	352	7.860	750	11.080	700
25	15,0	1.505	155	4.647	220	7.860	610	11.080	675
25	17,5	1.505	95	4.647	80	7.860	370	11.080	475
30	15,0	1.625	185	5.070	335	8.200	750	12.025	700
30	20,0	1.625	130	5.070	160	8.200	450	12.025	625
30	22,5	1.625	62	5.070	22	8.200	250	12.025	425
35	20,0	1.740	180	5.380	310	9.070	720	12.945	700
35	25,0	1.740	105	5.380	85	9.070	400	12.945	550
35	27,5	1.740	40	5.380	0	9.070	130	12.945	222
40	20,0	1.870	200	5.727	365	9.750	750	13.960	700
40	25,0	1.870	175	5.727	250	9.750	700	13.960	690
40	27,5	1.870	125	5.727	135	9.750	500	13.960	625
40	30,0	1.870	77	5.727	27	9.750	320	13.960	430

TEFEN MIXRITE PROPORTIONAL DOSING

LOAD LOSSES

Code	Mod.	Bar	l/h																		
			7	20	100	200	500	1.000	1.500	2.000	2.500	3.000	4.000	5.000	6.000	8.000	10.000	15.000	20.000	25.000	
FER331	TF2.5-2	Bar	0,18	0,18	0,18	0,19	0,24	0,42	1,28												
FER332	TF2.5-4		0,18	0,19	0,19	0,21	0,32	0,50	1,57												
FER333	TF2.5-10		0,20	0,27	0,30	0,33	0,42	0,71	1,78												
FER334	TF5-1					0,03	0,05	0,17	0,19	0,19	0,20	0,26	0,38	0,50							
FER335	TF5-2					0,17	0,18	0,22	0,25	0,28	0,32	0,38	0,43	0,58							
FER336	TF5-5					0,41	0,42	0,43	0,46	0,48	0,51	0,53	0,57	0,71							
FER337	TF10-1						0,05	0,07	0,08	0,09	0,11	0,13	0,19	0,23	0,28	0,37	0,47				
FER338	TF10-2						0,09	0,10	0,12	0,13	0,17	0,20	0,28	0,32	0,34	0,42	0,61				
FER339	TF10-5						0,14	0,18	0,21	0,24	0,26	0,28	0,31	0,36	0,40	0,63	0,82				
FER340	TF25-2.5							0,10	0,10	0,10	0,10	0,10	0,10	0,20	0,27	0,35	0,40	0,62	0,88	1,20	
FER340	TF25-5.5							0,20	0,21	0,22	0,24	0,25	0,30	0,40	0,46	0,54	0,60	0,80	1,10	1,40	

CHEMICAL SUBSTANCES RESISTANCE CHART

Chemical substance	Concentration		Type					
			TF 2,5	TF 2,5	TF 2,5	TF 5	TF 10	TF 25
			Standard model	By-pass model	PVDF model	Standard model	Standard model	Standard model
Iron chelate	mixed	-	■	■	■	■	■	■
N.P.K. + microelements	LOW	-	■	■	■	■	■	■
N.P.K. + microelements	MIDIUM	-	■	■	■	■	■	■
N.P.K. + microelements	HIGH	<70%	■	■	■	■	■	■
Manure	NOT UNIFORM	-	■	■	■	■	■	■
Ammonium nitrate	NH ₄ NO ₃	LOW	< 10%	■	■	■	■	■
Ammonium nitrate	NH ₄ NO ₃	MIDIUM	<20%	■	■	■	■	■
Ammonium nitrate	NH ₄ NO ₃	HIGH	<50%	■	■	■	■	■
Natural organic fertilizer	MIXED	-	■	■	■	■	■	■
Nitric acid	HNO ₃	LOW	<10%	■	■	■	■	■
Nitric acid	HNO ₃	MIDIUM	<20%	■	■	■	■	■
Nitric acid	HNO ₃	HIGH	>20%	■	■	■	■	■
Phosphoric acid	H ₃ PO ₄	LOW	<10%	■	■	■	■	■
Phosphoric acid	H ₃ PO ₄	MIDIUM	<20%	■	■	■	■	■
Phosphoric acid	H ₃ PO ₄	HIGH	>20%	■	■	■	■	■
Sulfuric acid	H ₂ SO ₄	LOW	<10%	■	■	■	■	■
Sulfuric acid	H ₂ SO ₄	MIDIUM	<20%	■	■	■	■	■
Sulfuric acid	H ₂ SO ₄	HIGH	>20%	■	■	■	■	■
Sodium hypochlorite	NaClO	LOW	< 1%	■	■	■	■	■
Sodium hypochlorite	NaClO	MIDIUM	<5%	■	■	■	■	■
Sodium hypochlorite	NaClO	HIGH	>5%	■	■	■	■	■
Hydrogen peroxide	H ₂ O ₂	LOW	<10%	■	■	■	■	■
Hydrogen peroxide	H ₂ O ₂	MIDIUM	<35%	■	■	■	■	■
Hydrogen peroxide	H ₂ O ₂	HIGH	<50%	■	■	■	■	■
Sodium hydroxide	NaOH	LOW	<20%	■	■	■	■	■
Sodium hydroxide	NaOH	MIDIUM	<50%	■	■	■	■	■
Sodium hydroxide	NaOH	HIGH	<80%	■	■	■	■	■
Hydrochloric acid	HCL	LOW	<10%	■	■	■	■	■
Hydrochloric acid	HCL	MIDIUM	<31%	■	■	■	■	■
Hydrochloric acid	HCL	HIGH	<50%	■	■	■	■	■

Legend ■ Recommended ■ Eligible ■ Not recommended

PUMPS

GRUNDFOS SQE 3" SERIES VERTICAL AXIS, SUBMERSIBLE

PERFORMANCE TABLE

Type	Code	Nom. power Kw	S. Ph. 230 V A	FLOW-RATE																	Threa. deliv.	Pump and motor unit	
				m ³ /h	0	0,5	1,0	1,5	2,0	2,5	3,0	3,5	4,0	5,0	6,0	7,0	8,0	9,0	H	Wei.			
				l/m	0	8	17	25	34	42	50	58	67	83	100	117	133	150	mm	kg			
				l/s	0	0,14	0,28	0,42	0,56	0,70	0,83	0,97	1,11	1,39	1,67	1,95	2,22	2,50					
SQE 2 - 35	PSM171	0,45	2,9	M.C.A	45	43	42	39	35	29	19								1"¼	747	4,7		
SQE 2 - 55	PSM172	0,65	4,1		68	66	63	60	54	45	32									1"¼	747	4,8	
SQE 2 - 70	PSM173	0,87	5,3		89	87	84	79	72	60	43									1"¼	774	5,4	
SQE 2 - 85	PSM174	0,98	6,0		109	108	105	99	89	74	54									1"¼	828	5,5	
SQE 2 - 100	PSM175	1,30	7,7		132	131	128	120	109	91	67									1"¼	864	6,2	
SQE 2 - 115	PSM176	1,50	8,9		155	154	150	142	129	108	79									1"¼	891	6,3	
SQE 3 - 30	PSM178	0,44	2,9		36			34	32	30	26	22								1"¼	747	4,8	
SQE 3 - 40	PSM179	0,63	4,0		56			53	50	47	42	36								1"¼	747	4,8	
SQE 3 - 55	PSM180	0,83	5,1		74			70	67	63	56	48								1"¼	774	5,4	
SQE 3 - 65	PSM185	1,02	6,2		92			87	83	78	70	60								1"¼	828	5,5	
SQE 3 - 80	PSM186	1,23	7,4		110			105	100	94	85	73								1"¼	864	6,1	
SQE 3 - 95	PSM187	1,43	8,4		129			123	117	109	99	85								1"¼	891	6,3	
SQE 3 - 105	PSM188	1,63	9,7		147			140	134	125	113	97								1"¼	945	6,4	
SQE 5 - 15	PSM159	0,26	1,9		18						15	14	13	11	7					1"½	747	4,7	
SQE 5 - 25	PSM160	0,54	3,4		36						31	29	28	24	18					1"½	747	4,8	
SQE 5 - 35	PSM161	0,80	4,9		54						46	44	42	36	28					1"½	864	5,5	
SQE 5 - 50	PSM162	1,06	6,5		71						62	59	56	49	38					1"½	864	5,5	
SQE 5 - 60	PSM165	1,33	7,9		89						77	74	70	61	48					1"½	945	6,4	
SQE 5 - 70	PSM166	1,60	9,5		106						93	89	85	73	58					1"½	945	6,4	
SQE 7 - 15	PSM167	0,42	2,8		21							17	16	14	12	9	6	2		1"½	747	4,7	
SQE 7 - 30	PSM168	0,84	5,2	42							36	35	32	29	24	18	10		1"½	747	5,2		
SQE 7 - 40	PSM169	1,27	7,6	64							56	54	50	45	38	29	19		1"½	864	6,1		

Note: the hydraulic characteristics of the SQ series pumps are identical to the SQE series and therefore can be seen from the table above

4 (A - B - D - E) SERIES VERTICAL AXIS, SUBMERSIBLE

PERFORMANCE TABLE

Code		Type	m ³ /h	0	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	3	3,6	4,2	4,8	5,4	6	6,6
S. Ph.	T. Phase		l/min	0	10	15	20	25	30	35	40	45	50	60	70	80	90	100	110
			l/sec	0	0,17	0,25	0,33	0,42	0,50	0,58	0,67	0,75	0,83	1,00	1,17	1,33	1,50	1,67	1,83
PSSM050	PSST050	4A 005 N09	63		55	50	43	35	26	15									
PSSM051	PSST051	4A 007 N14	90		80	72	62	51	37	20									
PSSM052	PSST052	4A 010 N18	124		109	99	86	70	50	28									
PSSM053	PSST053	4A 015 N28	181		159	144	125	101	73	41									
PSSM054	PSST054	4A 020 N38	237		209	189	163	133	96	54									
PSSM055	PSST055	4A 030 N57	356		313	283	245	199	144	81									
PSSM060	PSST060	4B 005 N07	47				39	36	33	28	23	18	12						
PSSM061	PSST061	4B 007 N11	70				59	54	49	43	35	27	17						
PSSM062	PSST062	4B 010 N15	96				80	74	67	58	48	37	24						
PSSM063	PSST063	4B 015 N22	140				117	107	96	83	68	50	30						
PSSM064	PSST064	4B 020 N30	187				155	142	126	109	87	64	38						
PSSM065	PSST065	4B 030 N44	274				227	208	185	159	128	94	56						
	PSST066	4B 040 N60	373				310	284	253	217	175	128	76						
PSSM010	PSST010	4D 005 N05	33								27	26	23	18	13				
PSSM011	PSST011	4D 007 N07	46								38	36	32	25	18				
PSSM012	PSST012	4D 010 N10	65								55	52	45	36	25				
PSSM013	PSST013	4D 015 N15	97								80	76	65	52	36				
PSSM014	PSST014	4D 020 N20	129								106	101	87	69	48				
PSSM015	PSST015	4D 030 N30	193								160	151	130	103	71				
	PSST016	4D 040 N40	257								209	198	170	134	90				
	PSST017	4D 055 N54	346								282	267	229	181	122				
PSSM030	PSST040	4E 005 N04	27											22	20	17	13	9	5
PSSM031	PSST041	4E 007 N06	41											33	30	25	20	14	8
PSSM032	PSST042	4E 010 N08	54											44	40	33	26	19	11
PSSM033	PSST043	4E 015 N12	82											67	60	50	39	28	16
PSSM034	PSST044	4E 020 N16	109											89	79	67	53	38	22
PSSN035	PSST045	4E 030 N24	163											133	119	100	79	56	32
	PSST046	4E 040 N32	218											178	159	134	105	75	43
	PSST047	4E 055 N44	299											245	218	184	145	103	59

Tolerance limits in compliance with the ISO 9906 ann.A gr.2

4 (F - H - Q) SERIES VERTICAL AXIS, SUBMERSIBLE

PERFORMANCE TABLE

Code		Type	m ³ /h	0	4,8	5,4	6	6,6	7,5	9	10,5	12	13,5	15	16,5	18	19,5	21	22,5	24	25,5	27
S. Ph.	T. Phase		l/min	0	80	90	100	110	125	150	175	200	225	250	275	300	325	350	375	400	425	450
			l/sec	0	1,33	1,50	1,67	1,83	2,08	2,50	2,92	3,33	3,75	4,17	4,58	5,00	5,42	5,83	6,25	6,67	7,08	7,50
PSSM020	PSST020	4F 010 N06	40	30	29	28	26	22	16	8												
PSSM021	PSST021	4F 015 N09	60	46	44	41	39	34	23	11												
PSSM022	PSST022	4F 020 N12	77	60	58	55	52	45	31	15												
PSSM023	PSST023	4F 030 N18	116	91	87	83	77	67	46	22												
	PSST024	4F 040 N24	154	121	115	110	103	89	62	30												
	PSST025	4F 055 N34	210	166	159	150	140	122	84	36												
	PSST026	4F 075 N45	266	215	203	190	176	152	102	43												
	PSST027	4F 100 N60	370	294	280	265	248	215	148	64												
PSSM070	PSST030	4H 015 N06	39			34	33	32	28	24	18	12										
PSSM071	PSST031	4H 020 N08	52			45	44	43	38	32	24	16										
PSSM072	PSST032	4H 030 N12	78			68	67	64	57	48	37	23										
	PSST033	4H 040 N16	104			91	89	86	76	64	49	31										
	PSST034	4H 055 N22	144			125	123	121	108	92	69	44										
	PSST035	4H 075 N30	197			171	168	164	146	124	94	60										
	PSST036	4H 100 N39	262			228	224	219	195	166	126	80										
PSSM082	PSST070	4Q 015 N04	23						19	18	17	16	15	14	13	12	11	9	8	6	4	
PSSM083	PSST071	4Q 020 N06	35						29	27	25	24	23	21	20	18	16	14	11	9	5	
PSSM084	PSST072	4Q 030 N09	52						43	40	38	36	34	32	30	28	24	21	17	13	8	
	PSST073	4Q 040 N12	69						57	54	51	48	45	43	40	37	33	28	23	17	11	
	PSST074	4Q 055 N16	92						76	72	68	64	60	57	53	49	44	37	30	23	14	
	PSST075	4Q 075 N22	127						105	98	93	88	83	78	73	67	60	51	42	32	20	
	PSST076	4Q 100 N30	173						143	134	127	120	113	107	100	92	82	70	57	43	27	

Tolerance limits in compliance with the ISO 9906 ann.A gr.2

PUMPS

SUBMERSIBLE ELECTRIC PUMPS Ø 5"

PERFORMANCE TABLE

Type	Nom. power		S. Ph. 230 V		400 V	FLOW-RATE																		Delivery Ø	Pump and motor unit			
	Hp	Kw	A	µF		m³/h	l/m																			H	Weig.	
								0,6	1,2	1,5	1,8	2,4	3,0	3,6	4,2	4,5	4,8	6,0	7,5	9,0	10,5	12,0	mm		kg			
						l/s	0,17	0,33	0,42	0,50	0,67	0,83	1,00	1,17	1,25	1,34	1,67	2,09	2,50	2,92	3,33							
SC007 N03	0,75	0,55	4,6	16	1,7	mH ₂ O	35	33	32	30	26	22	18	14	12							1 1/4	420	10,0				
SC010 N04	1,00	0,75	5,9	20	2,4		50	45	43	41	35	30	25	18	14	11							477	11,5				
SC015 N06	1,50	1,10	7,8	25	3,3		72	67	64	60	52	45	35	26	21	16							544	13,0				
SC020 N08	2,00	1,50	10,7	35	4,9		96	90	88	85	70	60	47	35	28	21							640	16,1				
SF010 N02	1,00	0,75	6,2	20	2,5	mH ₂ O							28	27	26,5	26	25	24,5	24	23	22	20	16	13	10	1 1/4	520	12,1
SF015 N03	1,50	1,10	8,1	25	3,5								40	39	38,5	38	37	36	35	33	32	28	24	20	15		580	13,5
SF020 N04	2,00	1,50	10,8	35	4,9								55	54	52	51	50	49	48	46	44	39	34	28	20		640	16,0

6 (B - D - E - F) SERIES VERTICAL AXIS, SUBMERSIBLE

PERFORMANCE TABLE

Code	Type	m³/h	mH ₂ O																																				
			0	6	7,5	9	10,5	12	13,5	15	16,5	18	21	24	27	30	33	36	39																				
			l/min	0	100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650																			
		l/sec	0	1,67	2,08	2,50	2,92	3,33	3,75	4,17	4,58	5,00	5,83	6,67	7,50	8,33	9,17	10,0	10,8																				
PSST1000	6B 030 N05/4	78	67	63	58	53	46	37	27	16																													
PSST1001	6B 040 N06/4	94	80	76	70	63	55	44	32	19																													
PSST1006	6B 040 N07/4	109	94	89	82	74	64	52	38	22																													
PSST1003	6B 055 N08/4	125	107	101	93	84	73	59	43	25																													
PSST1004	6B 055 N09/4	140	121	114	105	95	82	67	48	28																													
PSST1005	6B 075 N12/4	196	161	152	140	127	109	89	65	37																													
PSST1100	6B 075 N12	187	161	152	140	127	109	89	65	37																													
PSST1101	6B 100 N16	250	214	202	187	169	146	118	86	50																													
PSST1102	6B 125 N18	281	241	228	210	190	164	133	97	56																													
PSST1103	6B 125 N21	328	281	266	245	222	192	155	113	65																													
PSST1104	6B 150 N24	374	322	304	280	253	219	178	129	74																													
PSST1106	6B 200 N32 SD	499	429	405	374	338	292	237	172	99																													
PSST1107	6B 250 N40 SD	624	536	506	467	422	365	296	215	124																													
PSST1108	6B 300 N48 SD	749	643	607	561	506	438	355	258	149																													
PSST1011	6D 040 N05/4	79	75	74	71	68	64	58	52	45	37	15																											
PSST1012	6D 055 N06/4	94	90	88	86	81	76	70	63	54	44	17																											
PSST1013	6D 075 N07/4	110	106	103	100	95	89	82	73	63	51	20																											
PSST1110	6D 075 N07	126	121	118	114	109	102	93	83	72	58	23																											
PSST1014	6D 075 N08/4	125			115			102			85	70	59																										
PSST1111	6D 075 N08	141	136	133	128	122	115	105	94	81	66	26																											
PSST1015	6D 075 N09/4	140			129			115			95	79	67																										
PSST1112	6D075N09	140			134	129			115			95	80	67																									
PSST1113	6D 100 N12	188	181	177	171	163	153	140	125	108	88	35																											
PSST1114	6D125 N15	236	226	221	214	204	191	175	156	135	110	44																											
PSST1115	6D 150 N18	283	271	265	257	244	229	210	188	162	131	52																											
PSST1116	6D 175 N21	330	317	309	299	285	267	245	219	189	153	61																											
PSST1117	6D 200 N24	377	362	354	342	326	306	280	250	216	175	70																											
PSST1118	6D 250 N30	471	452	442	428	407	382	350	313	269	219	87																											
PSST1119	6D 300 N35 SD	550	528	516	499	475	446	408	365	314	256	102																											
PSST1120	6D 400 N45 SD	707	679	663	641	611	573	524	469	404	329	131																											
PSST1020	6E 020 N02	28				25	24	24	23	22	21	20	18	15	13	10	7	4																					
PSST1021	6E 030 N03	42				38	37	35	34	33	32	30	27	23	19	15	10	5																					
PSST1030	6F 040 N03	46							41	40	39	38	36	35	32	29	25	21	16	10	4																		
PSST1031	6F 050 N04	61							54	53	52	50	49	47	43	39	33	27	21	13	5																		
PSST1032	6F 075 N06/4	91							81	81	77	74	72	60	44																								
PSST1125	6F 075 N06	92							81	79	77	75	73	70	65	58	50	41	31	20	8																		
PSST1126	6F 100 N08	122							108	106	103	100	97	94	86	77	67	55	42	27	11																		
PSST1127	6F 0125 N10	153							136	132	129	125	121	117	108	97	84	69	52	34	14																		
PSST1128	6F 150 N12	184							163	159	155	150	146	141	129	116	100	82	63	40	16																		
PSST1129	6F 175 N014	214							190	185	180	175	170	164	151	135	117	96	73	47	19																		
PSST1130	6F 200 N16	245							217	212	206	200	194	187	172	154	134	110	83	54	22																		
PSST1131	6F 250 N20	306							271	264	258	251	243	234	215	193	167	137	104	67	27																		
PSST1132	6F 300 N024	367							325	317	309	301	291	281	258	232	200	164	125	81	32																		
PSST1133	6SD 350 N28 SD	428							379	370	361	351	340	328	301	270	234	192	146	94	38																		
PSST1134	6SD 400 N32 SD	490							434	423	412	401	388	375	344	309	267	219	167	108	43																		
PSST1135	6D 500 N40 SD	612							542	529	515	501	486	468	430	386	334	274	208	134	54																		

Tolerance limits in compliance with the ISO 9906 ann.A gr.2

6 (H - I - L) SERIES VERTICAL AXIS, SUBMERSIBLE

PERFORMANCE TABLE

Code	Type	mH ₂ O																		
		m ³ /h	0	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66
		l/min	0	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1.000	1.050	1.100
		l/sec	0	5,0	5,8	6,7	7,5	8,3	9,2	10,0	10,8	11,7	12,5	13,3	14,2	15,0	15,8	16,7	17,5	18,3
PSST1040	6H 040 N02/4	31	28	27	26	25	23	21	19	16	13	10	7	3						
PSST1041	6H 055 N03/4	47	42	40	39	37	35	32	28	24	20	15	10	4						
PSST1042	6H 075 N04/4	63	57		53		47		40		29		14							
PSST1140	6H 075 N04/4	62	55	54	52	49	46	42	38	32	26	20	13	6						
PSST1141	6H 100 N05	78	69	67	65	62	58	53	47	40	33	25	17	7						
PSST1142	6H 125 N06	93	83	81	78	74	70	64	57	48	39	30	20	8						
PSST1143	6H 150 N08	124	111	108	104	99	93	85	76	65	53	40	26	11						
PSST1144	6H 175 N09	140	125	121	117	111	104	96	85	73	59	45	30	13						
PSST1145	6H 200 N10	155	139	135	130	124	116	106	95	81	66	50	33	14						
PSST1146	6H 255 N13	202	180	175	169	161	151	138	123	105	86	64	43	18						
PSST1147	6H 300 N16	248	222	216	208	198	186	170	151	129	105	79	53	22						
PSST1148	6H 350 N19	295	264	256	246	235	220	202	180	154	125	94	63	27						
PSST1149	6H 400 N22	341	305	296	285	272	255	234	208	178	145	109	73	31						
PSST1150	6H 500 N27/SD	419	374	364	350	334	313	287	255	218	178	134	89	38						
PSST1050	6I 030 N12	22	19	18	17	16	15	13	12	11	9	8	7	5	3					
PSST1161	6L 100 N04	52		48	47	45	42	39	36	33	31	28	26	24	21	18	14	9	4	
PSST1162	6L 125 N06	77		71	70	68	63	58	54	50	46	43	39	36	32	27	21	14	6	
PSST1163	6L 150 N07	90		83	82	79	74	68	63	58	54	50	46	42	37	32	25	16	7	
PSST1164	6L 175 N08	103		95	93	90	84	78	72	66	61	57	53	48	43	36	28	18	8	
PSST1165	6L 200 N09	116		107	105	101	95	88	81	75	69	64	59	54	48	41	32	21	9	
PSST1166	6L250 N12	155		143	140	135	126	117	107	99	92	85	79	72	64	54	42	28	12	
PSST1167	6L 300 N 14	181		167	163	158	147	136	125	116	108	100	92	84	74	63	49	32	14	
PSST1168	6L 350 N017	219		202	198	191	179	165	152	141	131	121	112	102	90	77	60	39	17	
PSST1169	6L 400 N019	245		226	221	214	200	185	170	157	146	135	125	114	101	86	67	44	19	
PSST1170	6L 500 N24/S	310		286	280	270	252	234	215	199	184	171	158	144	128	108	84	55	24	

Tolerance limits in compliance with the ISO 9906 ann.A gr.2

SEMI-AXIAL SERIES 140

PERFORMANCE TABLE

Type	Code	Nominal power		V 400 A	FLOW-RATE						Delivery	Pump and motor unit			
		kW	HP		m ³ /h	0,0	36,0	48,0	60,0	72,0		84,0	Leng. H mm	Weig. Kg	
					l/min	0	600	800	1.000	1.200		1.400			
						l/sec	0,0	10,00	13,33	16,67	20,00	23,33			
140SEC66/03	PSSTG112	5,5	7,5	12,5		42	31	28	25	21	14			1.259	20
140SEC66/04	PSSTG100	7,5	10,0	17,5		55	41	38	34	28	18			1.369	25
140SEC66/05	PSSTG101	9,2	12,5	21,0		69	51	47	42	35	23			1.526	30
140SEC66/06	PSSTG102	11,0	15,0	24,5		83	62	57	51	42	27			1.693	35
140SEC66/07	PSSTG103	13,0	17,5	28,0		97	72	66	59	49	32			1.830	40
140SEC66/08	PSSTG104	15,0	20,0	32,0		111	82	75	67	56	37			2.027	45
140SEC66/09	PSSTG105	18,5	25,0	40,0		125	93	85	76	63	41			2.194	50
140SEC66/10	PSSTG106	18,5	25,0	40,0		139	103	94	84	70	46			2.301	55
140SEC66/11	PSSTG107	22,0	30,0	47,5		152	113	104	93	77	50			2.488	60
140SEC66/12	PSSTG108	26,0	35,0	55,0		166	123	113	101	84	55			2.705	65
140SEC66/13	PSSTG109	26,0	35,0	55,0		180	134	122	109	91	59			2.812	70
140SEC66/15	PSSTG110	30,0	40,0	62,5		208	154	141	126	105	69			3.096	80
140SEC66/18	PSSTG111	37,0	50,0	78,0		249	185	170	152	126	82			3.507	95
140SEC66/19	PSSTG113	37,0	50,0	78,0		247	186	167	148	108	38			3.667	93
140SEC66/20	PSSTG114	37,0	50,0	78,0		260	196	176	156	114	40			3.774	97
140SEC66/21	PSSTG115	37,0	50,0	78,0		273	206	185	164	120	42			3.881	102

PUMPS

SEMI-AXIAL SERIES 180

PERFORMANCE TABLE

Type	Code	Nominal power		V 400	FLOW-RATE								Delivery	Pump and motor unit	
					kW	HP	A	m ³ /h	0,0	36,0	48,0	60,0		72,0	84,0
		l/min	0	600				800	1.000	1.200	1.400	1.600		mm	Kg
		l/sec	0,0	10,0				13,33	16,67	20,0	23,33	26,67			
180SEC78/02	PSSTG400	11,0	15,0	24,5	mH ₂ O	53	45	43	41	37	31	25	DN 5" GAS	1.401	25
180SEC78/03	PSSTG401	15,0	20,0	32,0		80	68	65	62	56	47	38		1.646	32
180SEC78/04	PSSTG402	22,0	30,0	47,5		106	90	86	82	74	62	50		1.911	40
180SEC78/05	PSSTG403	26,0	35,0	55,0		133	113	108	103	93	78	63		2.148	47
180SEC78/06	PSSTG404	30,0	40,0	62,5		159	135	129	123	111	93	75		2.341	55
180SEC78/07	PSSTG405	37,0	50,0	78,0		186	158	151	144	130	109	88		2.556	61
180SEC78/08	PSSTG406	44,0	60,0	92,0		212	180	172	164	148	124	100		2.650	68
180SEC78/10	PSSTG408	55,0	75,0	113,5		265	225	215	205	185	155	125		3.050	85
180SEC78/13	PSSTG410	66,0	90,0	134,5		345	293	280	267	241	202	163		3.575	107
180SEC78/14	PSSTG411	75,0	100,0	149,5		371	315	301	287	259	217	175		3.800	115

PERFORMANCE TABLE

Type	Code	Nominal power		V 400	m ³ /h	0	48	60	72,0	84	96	10 8	120
						l/min	0	800	1.000	1.200	1.400	1.600	1.800
		l/sec	0	13,33	16,67	20	23,33	26,67	30	33,33			
		kW	HP	A	l/sec	0	13,33	16,67	20	23,33	26,67	30	33,33
180SEC90/1	PSSTG420	7,5	10	17,5	mH ₂ O	28	23	22	21	19	17	15	12
180SEC90/2DR 10	PSSTG421	9	12,5	21		48	40	38	36	33	30	25	21
180SEC90/2DR 5	PSSTG422	11	15	24,5		51	43	41	38	35	32	27	22
180SEC90/2	PSSTG423	13	17,5	28		55	46	44	41	38	34	29	24
180SEC90/3DR 10	PSSTG424	15	20	32		72	60	57	53	50	44	38	31
180SEC90/3	PSSTG425	19	25	40		83	69	66	62	57	51	44	36
180SEC90/4 DR 5	PSSTG426	22	30	47,5		102	86	82	76	71	63	54	45
180SEC90/4	PSSTG427	26	35	55		110	92	88	82	76	68	58	48
180SEC90/5	PSSTG428	30	40	62,5		138	115	110	103	95	85	73	60
180SEC90/6	PSSTG429	37	50	78		165	138	132	123	114	102	87	72
180SEC90/7	PSSTG430	44	60	92		19 3	161	154	144	133	119	102	84
180SEC90/8	PSSTG431	55	75	113,5		220	18 4	176	164	152	136	116	96
180SEC90/9	PSSTG432	55	75	113,5		248	207	198	18 5	171	153	131	108
180SEC 90/10	PSSTG433	66	90	134,5		275	230	220	20 5	190	170	145	120
180SEC90/11	PSSTG434	66	90	134,5		303	253	242	226	209	18 7	160	132
180SEC90/12	PSSTG435	75	100	149,5		330	276	264	246	228	204	174	144
180SEC90/13	PSSTG436	75	100	149,5		358	299	286	267	247	221	189	156
180SEC90/14	PSSTG437	92	125	185		385	322	308	287	266	238	203	168
180SEC90/15	PSSTG438	92	125	185	413	345	330	308	285	255	218	180	

PERFORMANCE TABLE

Type	Code	Nominal power		V 400	m ³ /h	0	60	72	84	96	108	120	132	144
						l/min	0	1.000	1.200	1.400	1.600	1.800	2.000	2.200
		l/sec	0	16,67	20	23,33	26,67	30	33,33	36,67	40			
		kW	HP	A	l/sec	0	16,67	20	23,33	26,67	30	33,33	36,67	40
180SEC102/1	PSSTG440	7,50	10	17,5	mH ₂ O	25	21	20	20	18	17	16	14	12
180SEC102/2DR10	PSSTG441	11	15	24,5		43	36	34	34	31	29	27	23	21
180SEC102/2DR5	PSSTG442	13	17,5	28		47	39	37	36	33	32	29	25	22
180SEC102/2	PSSTG443	15	20	32		50	42	40	39	36	34	31	27	24
180SEC102/3DR5	PSSTG444	18,50	25	40		70	59	56	54	50	47	43	38	34
180SEC102/3	PSSTG445	22	30	47,5		75	63	60	59	54	51	47	41	36
180SEC102/4DR5	PSSTG446	26	35	55		93	78	74	72	67	63	58	50	45
180SEC102/4	PSSTG447	30	40	62,5		100	84	80	78	72	68	62	54	48
180SEC102/5	PSSTG448	37	50	78		12 5	105	100	98	90	85	78	68	60
180SEC102/6	PSSTG449	44	60	92		150	126	120	117	108	102	93	81	72
180SEC102/7	PSSTG450	55	75	113,5		175	147	140	137	126	119	109	95	84
180SEC102/8	PSSTG451	55	75	113,5		200	168	160	156	144	136	124	108	96
180SEC102/9	PSSTG452	66	90	134,5		225	189	180	176	162	153	140	122	108
180SEC102/10	PSSTG453	75	100	149,5		250	210	200	195	180	170	155	135	120
180SEC102/11	PSSTG454	75	100	149,5	275	231	220	215	198	187	171	149	132	
180SEC102/12	PSSTG455	92	125	185	300	252	240	234	216	204	186	162	144	
180SEC102/13	PSSTG456	92	125	185	325	273	260	254	234	221	202	176	156	

NM - THREADED

Model	P ₂		Q	m ³ /h l/min	1,0	1,2	1,5	1,9	2,4	3,0	3,6	4,2	4,8	5,4	6,0	6,6	7,5	8,4
	kW	HP			16,0	20,0	25,0	31,5	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	125,0	140,0
NM 1/A/E*	0,37	0,5	mH2O	22,0	21,6	21,3	20,9	20,3	19,4	18,1	16,3							
NM 2/A/B*	0,75	1		33,5	33,0	32,5	32,0	31,5	30,5	29,5	28,5	27,0	26,0	24,0				
NM 3/C/A	1,1	1,5		37,5	37,5	37,0	36,5	36,0	35,0	34,0	32,0	30,5	28,5					
NM 3/B/A	1,5	2		47,0	47,0	46,5	46,0	45,5	45,0	44,0	43,0	41,5	40,0	37,5	33,0	26,0		

*Also with single phase motor = NMM - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012
Test results with cold and clean water, without gas

NMD - THREADED

Model	P ₂		Q	m ³ /h l/min	1,0	1,2	1,5	1,9	2,4	3,0	3,6	4,2	4,8	5,4	6,0
	kW	HP			16,0	20,0	25,0	31,5	40,0	50,0	60,0	70,0	80,0	90,0	100,0
NMD 20/110A/B*	0,75	1	mH2O	43,0	42,0	40,5	39,0	36,5	33,0	29,0	25,0				
NMD 20/140B/A	1,1	1,5		53,0	52,5	52,0	51,0	50,0	48,0	46,0	43,5	40,0			
NMD 20/140A/A	1,5	2		67,0	66,5	66,0	64,5	63,0	61,5	59,0	57,0	53,5	50,0	46,0	
Model	P ₂		Q	m ³ /h l/min	7,5	8,4	9,6	10,8	12,0	13,2	15,0	16,8	18,9	21,0	24,0
	kW	HP			125	140	160	180	200	220	250	280	315	350	400
NMD 40/180D/B	4	5,5	mH2O	60,0	59,5	57,0	56,0	53,0	51,5	48,0	44,0	39,0	34,0**	25,0**	
NMD 40/180C/A	5,5	7,5		69,0	68,0	67,0	66,0	64,5	63,0	60,0	57,0	53,0	48,0**	40,0**	
NMD 40/180B/A	7,5	10		87,0	86,0	85,0	84,0	82,5	81,0	78,0	75,0	71,0	66,0**	59,0**	
NMD 40/180A/B	9,2	12,5		94,0	93,0	92,0	91,0	89,5	88,0	85,0	82,0	78,0	74,0**	67,0**	

*Also with single phase motor = NMDM - **Maximum manometric suction height 1-2 m - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012
Test results with cold and clean water, without gas

PUMPS

NM - THREE PHASE - FLANGED

NM 32	P ₂		Q	m ³ /h																
	kW	HP		l/min	6,6	7,5	8,4	9,6	10,8	12,0	13,2	15,0	16,8	18,9	21,0	24,0				
NM 32/12S/A	1,5	2	mH2O	110	125	140	160	180	200	220	250	280	315	350	400					
NM 32/16A/B	2,2	3		23,5	23,5	23,0	22,5	22,0	21,5	21,0	20,5	19,0	18,5	16,5	13,0					
NM 32/20C/A	3	4		35,5	35,5	35,0	34,5	34,0	33,5	33,0	32,0	30,0								
NM 32/20A/B	4	5,5		45,0	44,5	44,0	43,5	42,5	41,0	40,0	38,0	36,0								
				57,5	57,0	56,0	55,5	55,0	54,5	53,5	51,5	49,0								
NM 40	P ₂		Q	m ³ /h																
	kW	HP		l/min	15,0	16,8	18,9	21,0	24,0	27,0	30,0	33,0	37,8	39,0	42,0	45,0	48,0			
NM 40/12A/C	2,2	3	mH2O	250	280	315	350	400	450	500	550	630	650	700	750	800				
NM 40/16C/C	2,2	3		22,0	22,0	21,5	21,0	20,0	19,0	18,0	16,5	14,0	13,0	11,5						
NM 40/16B/B	3	4		23,0	22,5	22,0	21,5	20,0	18,5	16,5	14,5	11,0	10,0							
NM 40/16A/C	4	5,5		29,0	28,8	28,0	27,5	26,5	25,0	23,5	21,5	18,0	17,0	14,0						
NM 40/20D/C	4	5,5		37,0	36,5	36,5	36,0	35,0	33,5	32,0	30,5	27,0	26,0	23,5	20,0	17,0				
NM 40/20C/C	4	5,5		39,0	38,0	37,0	35,5	33,5	30,5	27,0	22,5	14,0								
NM 40/20B/A	5,5	7,5		41,5	40,5	39,5	38,0	36,0	33,5											
NM 40/20A/A	7,5	10		50,0	49,5	48,5	47,5	45,5	43,5	41,5	37,5	30,5								
				57,5	57,0	56,5	55,5	54,5	52,5	50,5	48,0	42,5	40,5	35,0						
NM 50	P ₂			Q	m ³ /h															
	kW	HP	l/min		24,0	27,0	30,0	33,0	37,8	42,0	48,0	54,0	60,0	66,0	69,0	72,0	75,0	78,0	81,0	
NM 50/16B/B	5,5	7,5	mH2O	400	450	500	550	630	700	800	900	1.000	1.100	1.150	1.200	1.250	1.300	1.350		
NM 50/16A/B	7,5	10		31,0	30,5	29,5	28,0	26,0	24,0	21,5	19,0	17,5	15,5	13,5	11,5	9,5				
NM 50/20B/C	9,2	12,5		38,5	38,0	37,5	36,5	34,5	32,5	30,0	27,0	25,5	24,0	22,5	20,5	19,0				
NM 50/20A/C	11	15		48,0	47,5	47,5	47,0	45,5	44,5	42,5	40,0	37,0	33,0	30,5	28,0	25,5	23,0			
NM 50/20S/C	15	20		55,0	55,0	54,5	54,5	53,5	52,0	50,0	48,0	45,0	41,5	39,5	37,0	35,0	32,5			
NM 50/25C/C	11	15		60,0	60,0	59,5	59,5	58,5	57,5	55,5	53,5	50,5	47,0	45,0	43,0	40,5	37,0			
NM 50/25B/C	15	20		55,0	54,5	54,0	53,0	51,5	49,5	46,0	41,5	35,5	28,5	24,5						
NM 50/25A/C	18,5	25		69,0	68,5	68,0	67,5	66,0	64,0	61,0	57,0	52,5	46,5	43,0						
				80,5	80,5	80,0	79,5	78,5	77,0	74,5	71,5	67,0	61,5	58,5						
NM 65	P ₂			Q	m ³ /h															
	kW	HP	l/min		37,8	42,0	48,0	54,0	60,0	66,0	75,0	84,0	96,0	108,0	120,0	132,0	141,0			
NM 65/12E/C	4	5,5	mH2O	630	700	800	900	1.000	1.100	1.250	1.400	1.600	1.800	2.000	2.200	2.350				
NM 65/12C/B	5,5	7,5		16,5	16,4	16,2	15,9	15,5	15,1	14,3	13,2	11,4	9,2							
NM 65/12A/B	7,5	10		21,1	21,0	20,8	20,6	20,3	19,9	19,1	18,2	16,5	14,4	11,8						
NM 65/16D/B	7,5	10		25,9	25,8	25,6	25,4	25,1	24,8	24,1	23,3	21,9	20,0	17,6						
NM 65/16B/C	11	15		24,3	24,1	23,9	23,6	23,1	22,3	20,8	18,8	16,3								
NM 65/16A/C	15	20		32,6	32,5	32,3	32,0	31,5	30,8	29,5	27,9	25,7	23,0							
NM 65/20C/C	15	20		40,5	40,4	40,2	40,0	39,5	38,8	37,6	36,1	34,2	31,7							
NM 65/20B/C	18,5	25		44,0	43,8	43,5	43,1	42,3	41,2	39,4	37,1	34,4	31,4	28,8						
				50,5	50,4	50,2	49,9	49,2	48,3	46,8	44,8	42,5	39,8	37,5						

*Maximum manometric suction height 1-2 m - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012

Test results with cold and clean water, without gas

MXV-B - THREE PHASE - THREADED

MXV-B 25	A		P ₂		Q	m ³ /h											
	230V	400V	kW	HP		l/min	0	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5		
MXV-B 25-204	4	2,3	0,75	1	mH2O	0	17	25	33	42	50	58	67	75			
MXV-B 25-207/A	4,7	2,7	1,1	1,5		44,0	42,5	40,0	37,5	34,5	31,0	27,0	22,5	17,0			
MXV-B 25-210/A	7,5	4,3	1,5	2		79,5	74,0	70,5	65,5	60,0	54,5	47,5	39,5	30,0			
						114,0	106,0	101,0	94,0	86,0	78,0	68,0	57,0	42,0			
MXV-B 32	A		P ₂		Q	m ³ /h											
	230V	400V	kW	HP		l/min	0	2,5	3,0	3,5	4,0	4,5	5,0	6,0	7,0	8,0	
MXV-B 32-405/A	4,7	2,7	1,1	1,5	mH2O	0	42	50	58	67	75	83	100	117	133		
MXV-B 32-407/A	7,5	4,3	1,5	2		56,0	51,5	50,0	48,0	46,0	43,5	41,0	34,5	27,5	18,5		
MXV-B 32-410/B	9,15	5,3	2,2	3		79,5	72,5	70,5	68,0	65,0	61,5	58,0	49,0	39,0	26,5		
						114,0	104,0	101,0	97,5	93,0	88,0	83,0	70,0	56,0	38,0		
MXV-B 40	A		P ₂		Q	m ³ /h											
	230V	400V	kW	HP		l/min	0	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0	
MXV-B 40-803/A	4,7	2,7	1,1	1,5	mH2O	0	83	100	117	133	150	167	183	200	217		
MXV-B 40-804/A	7,5	4,3	1,5	2		35,5	32,5	31,5	31,0	29,5	28,0	25,5	22,5	19,5	15,5		
MXV-B 40-806/B	9,15	5,3	2,2	3		47,0	43,0	42,0	41,0	40,0	37,0	34,0	30,0	26,0	21,0		
MXV-B 40-808/A	11,5	6,6	3	4		71,0	65,0	63,0	62,0	59,0	56,0	51,0	45,0	39,0	31,0		
MXV-B 40-810/B	9,6	3,7	5	5		95,0	87,0	85,0	82,0	79,0	75,0	69,0	60,0	51,0	42,0		
						119,0	109,0	106,0	103,0	99,0	94,0	86,0	75,0	64,0	52,0		

P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012

Test results with cold and clean water, without gas

MXH - THREADED

Three Phase	A		S. Phase	P ₁		P ₂		Q	m ³ /h										
	230V	400V		A	kW	kW	HP		l/min	0	2,3	3,0	3,5	4,0	4,5	5,0	6,0	7,0	8,0
										0	38	50	58	67	75	83	100	116	133
MXH 402E	2,4	1,4	MXHM 402E	3	0,65	0,45	0,6	mH2O	22,5	20,0	19,0	18,5	17,5	16,0	15,0	12,5	9,5	6,0	
MXH 403/A	2,8	1,6	MXHM 403/A	4,2	0,9	0,55	0,75		33,0	30,0	29,0	27,5	26,0	24,5	23,0	19,5	15,0	9,5	
MXH 404/B	3,5	2	MXHM 404/A	5,4	1,2	0,75	1		44,5	40,5	38,0	36,5	35,0	33,0	31,0	26,0	20,0	12,5	
MXH 405/C	4,7	2,7	MXHM 405	7,4	1,5	1,1	1,5		56,5	52,0	50,0	47,5	45,5	43,0	40,0	33,5	26,0	16,5	
MXH 406/A	6,2	3,6	MXHM 406	9,2	2	1,5	2		68,5	63,0	60,0	58,0	56,0	53,5	51,0	44,0	35,0	23,0	

P₁ Maximum absorbed power - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012
Test results with cold and clean water, without gas

MXP - THREADED

Three Phase	A		S. Phase	P ₁		P ₂		Q	m ³ /h									
	230V	400V		A	kW	kW	HP		l/min	0	2,3	3,0	3,5	4,0	4,5	5,0	6,0	7,2
										0	38	50	58	67	75	83	100	120
MXP 402	2,4	1,4	MXPM 402	3	0,61	0,45	0,6	mH2O	22,0	19,0	17,5	16,5	15,0	14,0	12,5	9,5	5,0	
MXP 403/A	2,8	1,6	MXPM 403/A	4,2	0,9	0,55	0,75		33,5	30,0	28,0	26,5	25,0	23,0	21,5	17,0	10,0	
MXP 404/B	3,5	2	MXPM 404/A	5,4	1,2	0,75	1		46,0	40,0	38,0	36,5	34,0	32,0	29,5	24,0	16,0	
MXP 405	4,5	2,6	MXPM 405	7	1,5	1,1	1,5		56,0	50,0	47,0	45,0	42,0	39,5	36,0	29,5	20,0	

P₁ Maximum absorbed power - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012
Test results with cold and clean water, without gas

MGP - THREADED

Three Phase	A		S. Phase	P ₁		P ₂		Q	m ³ /h									
	230V	400V		A	kW	kW	HP		l/min	0	2,3	3,0	3,5	4,0	4,5	5,0	6,0	7,2
										0	38	50	58	67	75	83	100	120
MGP 402	2,4	1,4	MGPM 402	3	0,61	0,45	0,6	mH2O	22	19,0	17,5	16,5	15,0	14,0	12,5	9,5	5,0	
MGP 403	3	1,73	MGPM 403	3,5	0,85	0,55	0,75		32	27,5	25,5	23,7	22,0	20,0	18,0	13,3	7,0	
MGP 404/A	3,5	2	MGPM 404	5,4	1,2	0,75	1		46	40,0	38,0	36,5	34,0	32,0	29,5	24,0	15,0	
MGP 405	4,5	2,6	MGPM 405	7	1,5	1,1	1,5		56	50,0	47,0	45,0	42,5	39,5	36,0	29,0	19,0	

P₁ Maximum absorbed power - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012
Test results with cold and clean water, without gas

NGX - THREADED

Three Phase	A		S. Phase	P ₁		P ₂		Q	m ³ /h										
	230V	400V		A	kW	kW	HP		l/min	0	0,3	1,0	2,0	2,4	3,0	4,0	4,5		
										0	5	17	33	40	50	67	75		
NGX 2	2,8	1,6	NGXM 2	3,3	0,7	0,45	0,6	mH2O	45	40,0	30,0	20,5	18,0						
NGX 3/A	2,8	1,6	NGXM 3/A	4,2	0,9	0,55	0,75		53	48,0	39,0	30,0	27,0	22,0					
NGX 4/B	3,7	2,2	NGXM 4/A	5,4	1	0,75	1		42	40,0	36,0	30,5	28,0	25,0	21,0	19,5			
NGX 4/16	4,5	2,6	NGXM 4/16	7	1,6	1,1	1,5		57,5	54,0	47,3	40,0	37,5	34,0	28,5	26,0			
Three Phase	A		S. Phase	P ₁		P ₂		Q	m ³ /h										
230V	400V	A		kW	kW	HP	l/min		0	0,5	1,0	2,0	2,4	3,0	4,0	4,5	5,0	5,5	6,0
NGX 6/18/A	7,5	4,3	NGXM 6/18	9,2	2	1,5	2	mH2O	58	54,7	51,5	46,0	44,0	41,3	37,0	34,7	32,5	30,5	28,5

P₁ Maximum absorbed power - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012

NGL - THREADED

Three Phase	A		S. Ph.	P ₁		P ₂		Q	m ³ /h										
	230V	400V		A	kW	kW	HP		l/min	0	0,3	1,0	2,0	2,3	2,8	3,5	4,0	4,5	4,8
										0	5	17	33	38	47	58	67	75	80
NGL 2	2,8	1,6	NGLM 2	3,3	0,7	0,45	0,6	mH2O	45,0	40,0	30,0	20,5	19,0						
NGL 3/A	2,8	1,6	NGLM 3/A	4,2	0,9	0,55	0,75		53,0	48,0	39,0	30,0	28,0	24,0					
NGL 3/13	3,7	2,2	NGLM 3/13	5,4	1	0,75	1		51,0	48,0	41,5	33,0	30,8	28,0	24,5				
NGL 4/B	3,7	2,2	NGLM 4/A	5,4	1	0,75	1		42,0	40,0	36,0	31,0	29,0	27,0	23,5	22,0	20,5	19,0	

P₁ Maximum absorbed power - P₂ Nominal motor power - Tolerance limits in compliance with the UNI EN ISO 9906:2012

GM10 - SUBMERSIBLE

S. Ph.	230V	Condensatore		P ₁		P ₂		Q	m ³ /h				
	A	μF	V	kW	kW	HP	l/min		0	3	6	9	12
GM 10	1,75	6,3	450	0,4	0,3	0,4	mH2O	7,5	6,5	5,2	3,7	2,2	

P₁ Maximum absorbed power - P₂ Nominal motor power

PUMPS

GXR - SUBMERSIBLE

Three Phase	A		S. Ph.	230V	Condens.		P ₁			P ₂			Q	m ³ /h												
	230V	400V		A	μF	Vc	kW	kW	HP	kW	kW	HP		l/min	0	1,2	3,0	4,5	6,0	7,5	9,0	10,2	12,0	13,2		
GXR 9	1,6	0,9	GXR 9	2,5	8	450	0,5	0,25	0,33				mH2O	9,0	8,3	7,0	6,0	4,8	3,6	2,5	1,7					
GXR 11	2,3	1,3	GXR 11	3,5	12,5	450	0,7	0,37	0,5					11,0	10,4	9,5	8,5	7,5	6,5	5,3	4,2	2,2				
GXR 13	2,8	1,6	GXR 13	4,5	16	450	0,95	0,45	0,6					12,7	11,7	10,7	9,7	8,5	7,3	6,3	5,2	3,2	2,0			
Three Phase	A		S. Ph.	230V	Condens.		P ₁			P ₂			Q	m ³ /h												
	230V	400V		A	μF	Vc	kW	kW	HP	kW	kW	HP		l/min	0,0	1,2	3,0	4,5	6,0	7,5	9,0	10,2	12,0	13,2		
GXR 25-6	1,6	0,9	GXR 25-6	2,5	8	450	0,5	0,25	0,33				mH2O	6,0	5,7	5,2	4,5	3,8	3,0	2,2	1,5					
GXR 25-8	2,3	1,3	GXR 25-8	3,5	12,5	450	0,7	0,37	0,5					8,2	7,8	7,2	6,7	6,1	5,4	4,5	3,6	2,2				
GXR 25-10	2,8	1,6	GXR 25-10	4,5	16	450	0,95	0,45	0,6					10,0	9,5	8,7	8,0	7,3	6,5	5,7	4,9	3,7	2,6			

P₁ Maximum absorbed power - P₂ Nominal motor power
Density ρ = 1000 kg/m³ - Kinematic viscosity ν = max 20 mm²/sec

GXR12 - SUBMERSIBLE

Three Phase	A		S. Phase	230V	Condens.		P ₁			P ₂			Q	m ³ /h															
	230V	400V		A	μF	Vc	kW	kW	HP	kW	kW	HP		l/min	0	3,0	6,0	9,0	12,0	15,0	18,0	21,0	24,0	27,0	30,0				
GXR 12-10	2,6	1,5	GXR 12-10	4	12,5	450	0,85	0,45	0,6				mH2O	9,3	9,0	8,3	7,5	6,3	5,0	3,3									
GXR 12-12	3,3	1,9	GXR 12-12	5,2	16	450	1,1	0,55	0,75					12,0	11,3	10,6	9,6	8,5	7,2	5,6	3,7								
GXR 12-14	3,8	2,2	GXR 12-14	6	20	450	1,3	0,75	1					13,5	13,0	12,2	11,4	10,4	9,0	7,5	5,6	3,3							
GXR 12-16	4,8	2,8	GXR 12-16	7,4	25	450	1,6	0,9	1,2					15,5	14,7	14,0	13,2	12,2	11,0	9,4	7,5	5,4	3,2						
GXR 12-18	5,8	3,3	GXR 12-18	9,5	30	450	2	1,1	1,5					17,0	16,3	15,5	14,6	13,5	12,3	10,8	9,2	7,3	5,2	3,0					
GXR 12-20	6,9	4	GXR 12-20	13	35	450	2,2	1,5	2					19,2	18,4	17,5	16,5	15,5	14,2	12,8	11,2	9,3	7,2	4,7					

P₁ Maximum absorbed power - P₂ Nominal motor power
Density ρ = 1000 kg/m³ - Kinematic viscosity ν = max 20 mm²/sec

GQR10 - SUBMERSIBLE - THREADED

Three Phase	A		Q	m ³ /h															
	230V	400V		l/min	0	3	6	9	12	15	18	21	24	27	30				
GQR 10-12	2,4	1,4	mH2O	12,0	11,6	11,0	10,2	9,0	7,5	5,5	3,2								
GQR 10-14	2,8	1,6		14,0	13,5	12,8	12,0	10,8	9,3	7,5	5,5	3,0							
GQR 10-18	4,8	2,8		18,0	17,5	17,0	16,2	15,0	13,7	11,8	9,0	7,0	4,3	1,5					
GQR 10-20	6,6	3,8		20,0	19,5	18,8	18,0	16,8	15,2	13,2	10,8	8,4	5,7	3,0					

Density ρ = 1000 kg/m³ - Kinematic viscosity ν = max 20 mm²/sec

GQR12 - SUBMERSIBLE - THREADED - WITH FLOAT

S. Phase	230V	Condensatore		P ₁			P ₂			Q	m ³ /h															
	A	μF	Vc	kW	kW	HP	kW	kW	HP		l/min	0	3	6	9	12	15	18	21	24	27	30				
GQR 10-12	3,6	16	450	1	0,55	0,75				mH2O	12,0	11,6	11,0	10,2	9,0	7,5	5,5	3,2								
GQR 10-14	4,6	16	450	1	0,75	1					14,0	13,5	12,8	12,0	10,8	9,3	7,5	5,5	3,0							
GQR 10-18	8	30	450	1,7	1,1	1,5					18,0	17,5	17,0	16,2	15,0	13,7	11,8	9,0	7,0	4,3	1,5					
GQR 10-20	13	35	450	2,2	1,5	2					20,0	19,5	18,8	18,0	16,8	15,2	13,2	10,8	8,4	5,7	3,0					

P₁ Maximum absorbed power - P₂ Nominal motor power
Density ρ = 1000 kg/m³ - Kinematic viscosity ν = max 20 mm²/sec

GQG - SUBMERSIBLE SHREDDER

Three Phase	A		P ₁	P ₂			Q	m ³ /h									
	230V	400V		kW	kW	HP		l/min	0	3,0	6,0	9,0	12,0	13,2	15,0	16,8	
GQG 6-18	4	2,3	1,3	0,9	1,2	mH2O	18,0	16,5	14,5	11,2	6,5	4,5					
GQG 6-21	4,8	2,8	1,5	1,1	1,5		21,0	19,2	17,0	13,5	9,0	7,0	4,0				
GQG 6-25	6,6	3,8	2	1,5	2		25,0	23,0	20,5	17,0	13,0	11,0	7,8	4,0			

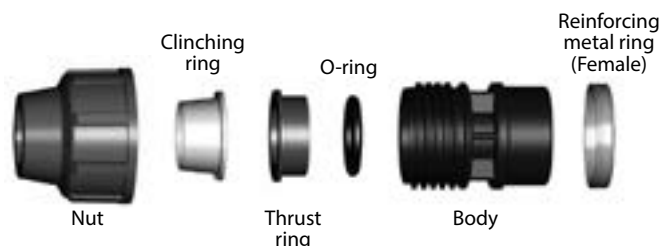
P₁ Maximum absorbed power - P₂ Nominal motor power
Density ρ = 1000 kg/m³ - Kinematic viscosity ν = max 20 mm²/sec

GQG - SUBMERSIBLE SHREDDER WITH FLOAT

S. Phase	230V	Condensatore		P ₁			P ₂			Q	m ³ /h											
	A	μF	Vc	kW	kW	HP	kW	kW	HP		l/min	0	3,0	6,0	9,0	12,0	13,2	15,0	16,8			
GQGM 6-18	7	30+80	450	1,3	0,9	1,2				mH2O	18,0	16,5	14,5	11,2	6,5	4,5						
GQGM 6-21	7,5	30+80	450	1,5	1,1	1,5					21,0	19,2	17,0	13,5	9,0	7,0	4,0					
GQGM 6-25	9,5	30+80	450	2	1,5	2					25,0	23,0	20,5	17,0	13,0	11,0	7,8	4,0				

P₁ Maximum absorbed power - P₂ Nominal motor power
Density ρ = 1000 kg/m³ - Kinematic viscosity ν = max 20 mm²/sec

Assembling Instruction for Fittings



Important

- The end of the pipe has to be rounded and cleaned from chip
- From diameter 20 to 40 it is enough to coil the nut by hand
- If the nut is not fixed completely, there can be dripping or flowing at the O-ring or the pressure can fire the pipe from the fitting
- The threaded end of the PP fitting has to be covered with PTFE tape or braid



Green Line PN10 Ø20 ÷ Ø63

1. Remove completely nut and clinching ring from the body of fitting
2. The nut and the clinching ring have to be pulled up on the pipe



3. Insert the pipe into the fitting. Make sure that the pipe crossed the O-ring
4. Pull back the clinching ring to it's original position
5. Pull back the nut and coil it completely up to the fitting

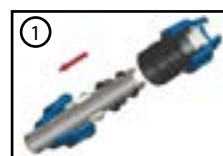


Azure line PN16 Ø20 ÷ Ø40 mm

1. Limber up the nut, but do not remove it completely
2. Insert the pipe into the fitting - make sure that the pipe crossed the O-ring.
3. Fully coil back the nut

Blue line Ø50 ÷ Ø110 mm

1. The nut, the clinching ring, the thrust ring and O-ring have to be pulled up on the pipe
2. Put together pipe, O-ring and thrust ring into the body - push the pipe until internal register inside fitting - make sure that O-ring and thrust ring are on their original position
3. Pull back the clinching ring to it's original position
4. Pull back the nut and completely coil it up to the fitting





REQUEST FORMS

Note: the soil analysis form, the filtration form and irrigation water definition form can be used both to request assistance from Scarabelli and as a guideline for the parameters to be analyzed while projecting irrigation systems

SUMMARY 1

Hydraulic scheme request form

REQUESTING DATA

Company name: _____

Address: _____

Province: _____

Phone: _____

Cell phone: _____

E-mail: _____

Reference: _____

PLANT DATA

Type of plant requested: *Dripline*

Micro irrigation

Nebulization

Type of crop to irrigate: _____

Plant age: _____

Type of plant: *Wire*

Soil

Subirrigation

Irrigated surface: _____

N. of irrigation sectors: _____

Distances between rows: _____

Distances between plants: _____

Type of soil: _____

Water source: _____

Flow rate and pression available:

Min flow rate: _____

Min pression: _____

Max flow rate: _____

Max pression: _____

PLANT SPESIFICATIONS

Piping: *Pe* *PVC*

Filtration: *Manual* *Automatic*

Automation: *None* *Multicable* *Singlecable* *Radio*

Fertigation: *pH control* *EC control*

N fertilizer: _____

N fertilizing agitators: _____

Propotional injection/volumetric managment:

Yes

No

To enclose where available: **point or gps coordinates**
slopes or curves of the soil
present/future point of water source

SUMMARY 1

Filtration and irrigation's water analysis form

REQUESTING DATA

Company name: _____

Address: _____

Province: _____

Phone: _____

Cell phone: _____

E-mail: _____

Reference: _____

WATER SOURCE

Well
 Canal
 River
 Lake
 Basin
 Tank
 Others

Notes on the water intake point: _____

IRRIGATION'S WATER ANALYSIS

CONTROL OF SUSPENSION ELEMENTS - QUANTITY ANALYSIS

Date	Measurement unit	Indicated value
T.S.S. (Total suspended solids)	mg/l	
Minerals	(%)	
Organic compounds	(%)	

CONTROL OF DISSOLVED PARTS - QUALITY ANALYSIS

Date	Measurement unit	Indicated value	Date	Measurement unit	Indicated value
Electrical conductivity			Chloride		
pH			Sulfates		
Calcium			Boron		
Magnesium			Iron tot.		
Sodium			Soluble iron		
Sodium Absorbption Ratio			Manganese		
Carbonate			Potassium		
Bicarbonate			Nitrates (NO ₃)		

Take the samples in suitable way, without altering it
Measure the pH value immediatly after sampling

TYPE OF FILTRATION

Filtration:

Manual

Automatic

Filtration group:

Fixed

Mobile

Other equipment

Power source 230 V AC:

Yes

No

Filtration present on site: _____

Discount Classes

Discount category A

RIVULIS
 DRIPPERS AND SPRINKLERS
 MINI SPRINKLERS AND HAMMER
 PLASTIC FILTERS
 STF METAL FILTERS
 HYDROCYCLONES
 AUTOMATIC DISC FILTERS
 AUTOMATIC MESH FILTERS
 AUTOMATIC GRIT FILTERS
 MINIVALVOLE
 PVC VALVES
 METAL VALVES
 AIR VENTS
 PRESET REDUCERS
 BERMAD VALVES SERIE 200
 VALVES SERIES 650 - 600
 COUNTERS
 PUMPS
 GIMBAL PUMPS AND ACCESSORIES
 WATER TANKS
 SWITCHBOARDS
 INVERTERS AND AUTOCLAVES
 WING FITTINGS
 PLASSON FITTINGS
 PLASSON BRACKET SOCKETS
 BRASS FITTINGS - GALVANISED
 BLULINE FITTINGS
 PE CONDUCTS
 PVC CONDUCTS
 FLAT CONDUCTORS
 PUMP PIPES
 PRE-ASSEMBLED FILTER UNITS
 SELF-PROPELLED MACHINES
 BROWN DRIP LINES
 SUMPS SCARABS
 ORBIT
 HUNTER
 TORO
 VALTICINO
 SAMCLA FOCUS
 SOLEM
 HOZELOCK
 RAPID BRACKET
 FITTINGS
 BLUE FLEX
 KERBS AND PAVERS
 SPLAH OXYGENATORS AND OTTERBINES
 TECNOCOOLING
 PERROT

Discount category B

LIGHT AND HEAVY DRIPWINGS

Discount category C

HANSEN VALVES
 POLIEXT FITTINGS
 PVC FITTINGS
 HANSEN FITTINGS
 SPS FITTINGS
 ELECTROFUSION FITTINGS

Discount category D

SAMCLA
 METAL FILTERS JOINTS
 FERTILISER TANKS
 TEFEN MIX RITE
 MEMBRANE PUMPS
 ITC PUMPS
 ITC AGITATORS
 MIXING KITS
 BACKWASH
 ITC COMPUTERS
 AGRONIC
 FERTILIZER KIT
 CRYBERG
 BERMAD VALVES SERIES 100 E 400
 RAIN BIRD
 FERTICONTROL BENCHES
 AUTOMATION ACCESSORIES
 MOTOR PUMPS
 METAL FITTINGS LINE INTERRATER
 SPHERICAL FERRARI ROBUR ANFOR
 MOSQUITO REPELLENT KIT

Discount category E

CALPEDA PUMPS

Discount category F

BERMAD 350 SERIES VALVES
 BERMAD ADJUSTABLE PRESSURE REDUCERS

SALE GENERAL CONDITIONS

ORDERS

Orders transmitted to Scarabelli Irrigazione S.r.l. are to be considered valid only after validation and approval by the Direction. Scarabelli Irrigazione S.r.l. has the right to fulfill the order on several times. This does not entitle the right to cancel the order or a part of it.

PRICES

Prices are intended net, taxes excluded, for ex-works Scarabelli Irrigazione Srl returned goods. Prices can be unilaterally modified by Scarabelli Irrigation srl, with no prior notice, depending on general market trend and on other causes.

DELIVERY

Delivery delays due to force majeure, fortuitous events, third parts or other, do not legitimize cancellation of the order; no indemnity and/or compensation may be consequently claimed by the purchaser, who may be equally held liable to pay the price within the terms specified in the order.

SHIPMENT

The goods travel at the sole risk of the buyer who, in the event of a dispute, shall immediately report the fact to the transporter for related responsibilities by registered letter and send copy to Scarabelli Irrigazione Srl.

PAYEMENTS

Invoices of Scarabelli Irrigazione Srl must be balanced according to the payment terms accepted while placing the order. As far as special goods orders, out of standard of Scarabelli Irrigazione Srl, immediate payment is required simultaneously to the order, of a deposit equal to at least one third of the goods value. In case of payment delay, interests of arrears will be applied according to Legislative Decree 10.9.2002, n. 231, starting on the expire dates on the invoice.

PROPERTY OF MATERIAL

Material property right on merchandise delivered by Scarabelli Irrigazione Srl, remain of the company itself until the total settlement of the corresponding invoice. Risks related to the sold goods shall pass from the seller to the purchaser at time of delivery. An unjustified delay in the agreed payment may entail, if required by Scarabelli Irrigazione Srl, the free port immediate return of the goods.

WARRANTY

The purchaser shall report possible vices and defects no later than 8 days from the inspection, under penalty of forfeiture. Liability terms for invoking warranty is of 1 year from the delivery. Warranty is limited to replacement or repair of the goods at the location specified by Scarabelli Irrigazione Srl and in no way it implies the chance of compensation and/or refund and/or termination of the agreement. Warranty shall not cover failures caused by electrical connection mistakes, lack of appropriate protection, disassembly or reassembly and tampering, mis-operations and by any means by noncompliance with specified use limitations or with instructions supplied by Scarabelli Irrigation Srl. Warranty may be not recognized and shall not take effect in the following cases:

- failures caused to materials due to any kind of corrosion or abrasions or pumped liquid;
- non-operation caused by inappropriate installations;
- when the customer is delaying payments.

Warranty shall not be recognized if the Customer does not give information on use conditions or other information to clarify the cause of the failure. When requesting operation under warranty, a document shall be exhibited proving shipment date or the code number of the goods label, or the one on the package, to trace back to the manufacture date. Repaired material or material tampered by not expressly authorized by Scarabelli Irrigazione Srl is excluded from the warranty. To products described in section Automation and Fertigation apply the following specifications.

- 3 months warranty for materials likely to chemical/mechanical deteriorate (eg pH sensor) in normal use conditions;
- installation of appropriate voltage supply control systems (stabilizers) and disconnection from the mains or distribution in case of systems placed in lightning subjected areas, are to be considered binding as far as warranty condition are concerned.

Scarabelli Irrigazione Srl declines any liability for material damages and accidents caused by our products. The material shall be sent carriage free to Scarabelli Irrigazione Srl and will be delivered freight collect to the customer. Warranty does not apply in case of use of the material in chemical and/or physical particularly aggressive condition, such as, for example, too sandy artesian wells, ferruginous groundwater, acid ambientes, etc.

SUPPLY MINIMUM AMOUNTS

Order minimum amount is of € 100,00 (V.A.T. excluded). Lower amount supplies may be provided solely and exclusively by an invoiced charge of € 15,00 (V.A.T. excluded) for administrative management.

PRE AND POST SALE ADVICE AND SUPPORT

Scarabelli Irrigazione S.r.l. does not assume any liability as far as counseling and technical, agronomic and design assistance (e.g.: hydraulic schemes etc..) provided, out of courtesy and for free, while selling its products.

COMPLAINTS

Possible complaints concerning the supply, shall be sent written and within and not later 8 days from the delivery of the goods.

RETURNS

In order to make a return (warranty or other), a written authorization request shall be always and PREVIOUSLY sent by the RMA form, duly completed, addressed to the orders office (ordini@scarabelli.it). Scarabelli Irrigazione S.r.l. will send the RMA number which shall be indicated on the delivery document (DDT) e and clearly visible placed on the package, under refusal penalty.

Goods received with no authorization will be refused. The return is intended free port to our warehouse. Packaging and goods shall be intact. The goods are anyway priorly inspected from the part of the seller who reserves the right to not accept the return. In case of missed acceptance, the goods will be sent to the sender, carriage forward.

The return should not be imputable to Scarabelli Irrigazione S.r.l. or base warrants, the goods, as long as intact, will be accepted by a minimum deduction of 15% for administrative management costs on the credit note, barring larger expense for different costs, such as reconditioning and/or accessories.

TESTS

Tests are carried out at Scarabelli Irrigazione S.r.l. workshops. The customer can be present requesting it in advance.

DATA PROCESSING – In accordance with and by the effects of art. 13 Leg. Decree nr. 196/2003, is hereby given notice.

- a) Provided data from the customers on a voluntary basis shall be undergoing processing, including through by using it and on-line procedures on Data Base, for management, statistic, commercial, promotional and advertising purposes, related to Scarabelli Irrigazione S.r.l.'s (data controller) products and services.
- b) With respect to the above-mentioned treatment, the subject whom personal data refers to, is entitled to obtain confirmation of the existence (or lack thereof) of this data and to know its content and origin, verify the accuracy or ask for integration or updating or correction or cancellation in accordance with art. 7, Leg. Decree nr. 196/2003.
- c) The customer expresses his consent to the treatment and disclose of his personal data by engaging to promptly communicate possible inaccuracies or variations.

COMPETENT FORUM

To resolve any disputes arising from the interpretation and/or execution of this agreement, the parts declare and expressly locate in Bologna the competent forum, waiving all exceptions and reservations on the competence.

SCARABELLI IRRIGAZIONE S.r.l.

N.B. – Information and technical features of the products indicated in this publication might be varied anytime without notice. Images of the supplied product are purely indicative.

