

SPRINKLERS

C





▶ DRIPPERS AND SPRAYERS

NON COMPENSATING DRIPPER

Recommended filtration: 120 mesh.

TURBO: emitter with a long path that leads to the emission hole placed on a barbed-removable plug • equipped with a clasp that can sustain the feeding tube • Nominal flow rate of 8 l/h (see table below report pressure range) • in connection Ø 6 mm - **Working pressure Recommended** 10 mca.

SG: labyrinth dripper, separable, characterized by an inner pad colored turbulent flow that determines the scope of the dripper, push-in fitting, wide range of courses • multifunctional output • **Working pressure Recommended** 10 m.c.a. • **Maximum pressure** 15 m.c.a.

MAX LENGTH (MT) 0% SLOPE WITH OPERATING DRIPPER PRESSURE 1 BAR														
Code	Type	Flow rate variance %	Q _{nom} l/h	Ø turbo mm			Spacing within drippers mt							
				ØE	ØI		0,50	0,75	1,00	1,25	1,50	1,75	2,00	2,25
OGC650	Turbo	10	8	16	13,6	33	43	52	60	68	75	81	88	94
		15				38	50	60	69	78	86	94	101	108



TURBO

Pressure m.c.a.	Flow rate 8 l/h
5	4,3
10	8,0
15	11,4
20	14,6
25	17,6

Pressure/real flow rate for Turbo drippers



SG

MAX LENGTH OF PIPE (RANGE OF FLOW RATE +5%)													
Code	Type	Q _{nom} l/h	Ø pipe mm					Spacing (m)					
			ØE	ØI		0,3	0,4	0,5	0,6	0,8	1	1,25	1,5
OGC030	SG white	3	16	13,6	54	65	75	84	102	118	135	153	184
			20	17,4	83	99	115	129	156	180	206	233	254
OGC031	SG black	5	16	13,6	39	47	54	61	74	85	98	110	132
			20	17,4	59	71	83	93	112	128	150	168	200
OGC032	SG red	8	16	13,6	29	34	40	44	54	62	71	81	97
			20	17,4	44	52	60	68	82	95	109	123	148
OGC033	SG blue	15	16	13,6	19	23	27	30	36	41	48	53	64
			20	17,4	29	35	40	45	55	63	73	81	98
			25	21,6	42	51	58	66	78	91	105	119	142
OGC034	SG black	20	16	13,6	16	19	22	25	30	34	39	44	53
			20	17,4	24	29	34	37	45	52	60	68	82
			25	21,6	35	42	48	54	66	76	88	98	118



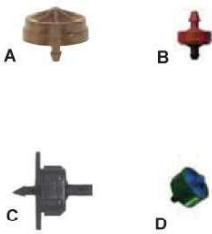
COMPENSATED DRIPPER

Made of resin, Cv less than 0.03, system with filtration of dripper. They can be used with pipe PEbd PN4 with diameter max 2 mm. **Filtration:** 120 mesh.

MAX LENGHT OF PIPE (RANGE OF FLOW RATE +-5%)

Press. m.c.a.	Ø pipe		Spacing (m)															
	Ø E	Ø I	0,25				0,50				0,75				1,00			
20	16	13,6	67	55	35	29	150	95	60	49	202	128	80	65	247	158	98	78
	20	17,4	142	91	59	47	239	153	97	76	318	203	128	99	387	248	155	120
25	16	13,6	100	64	40	34	173	110	69	56	233	149	92	74	286	182	113	90
	20	17,4	164	105	68	54	276	176	111	88	368	236	147	115	449	287	179	139
30	16	13,6	111	71	44	37	191	122	76	62	259	165	102	82	317	203	125	100
	20	17,4	182	116	75	60	306	195	123	97	409	261	163	128	498	318	198	154
Flow rate l/h			2	3	4	8	2	3	4	8	2	3	4	8	2	3	4	8

COMPENSATED DRIPPER



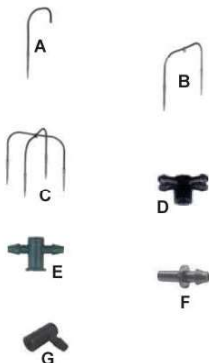
Code	Type	Fig.	Variation Q	Q l/h	Range of compensation (m.c.a.)
OGC057	Pressure compensated emitter	A	± 5%	2,0	5 + 40
OGC051				4,0	
OGC070				8,0	
OGC077				24,0	
OGC068	Junior pressure compensated emitters	B	± 7,5%	2,0	5 + 40
OGC069				4,0	
OGC087				8,0	
OGC110	SG - Compensating with out protection	C	± 8%	4,5	8 + 35
OGC111				8,0	
OGC112				15,0	
OGC970	ESG compensating with multifunctional output	D	± 5%	2,0	5 + 40
OGC971				3,0	
OGC972				4,0	
OGC973				8,0	
OGC973				24,0	

COMPENSATED DRIPPER WITH MULTIFUNCTIONAL OUTPUT AND CNL



Code	Type	Variat. Q	Q l/h	Range of compensation m.c.a.	Fig.
OGC980	ESG CNL	± 5%	2,0	5 + 40 CNL - open 4,5 close 2,0	A
OGC979			3,0		
OGC981			4,0		
OGC982			8,0		

N.B.: CNL is no drainage system



ACCESSORIES MULTIFUNCTIONAL OUTLET

Code	Description	Dipdtick	Microtube	Output	Fig.
OSR305	60 cm output divider and 90° drip guide pins	without labyrinth	Black	1	A
OSR302			White		
OSR307	60 cm output divider and straight drip guide pins (OGC074)	with labyrinth	Black ⁽¹⁾	2	B
OSR303			White		
OSR308			Black	4	C
OSR304			White		
OSR306	80 cm output divider and 90° drip guide pins	with labyrinth	Black	1	A
OSR307			White		
OSR309			Black		
OSR312	80 cm output divider and straight drip guide pins (OGC074)	with labyrinth	White	2	B
OSR310			Black		
OSR313			White ⁽¹⁾		
RMP135	Multiexit divider fitting for micropipe			4	D
RMP151				2	E
RMP152	Divider polyethylene pipe fitting				F
RMP136	90° single exit fitting for micropipe				G

⁽¹⁾ On request



DRIP POINT

Polypropylene emitter

Fig. A in line connection – Fig. B 90° connection with leading drip point – Fig. C free point.

Pressure max. 12 m.c.a. Suggested filtering 120 mesh



		Pressure m.c.a.			
		Q l/h			
Code	Fig.	5	7	10	12
OGC074	A				
OGC053	B	1,65	1,94	2,30	2,51
OGC088	C	Color GREY			
OGC080		Color BLACK			

PINS VARI JET

The pins vari jet can be connected to a hose through its micropipe. 10 pieces in each box.



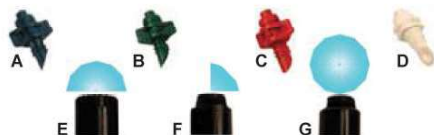
Code	Working angle	Pin mm
OGC213	360°	310
OGC216	360°	200
OGC214	180°	310
OGC217	180°	200
OGC212	90°	310
OGC215	90°	310

Press. _{atm}	Q _{l/h}	360° ^{180°}	90°	180°
		Ø _m	Rad. _m	Rad. _m
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

PRESSURE COMPENSATED PINS SPRINKLERS

Model	Code	Working angle	Press.atm	Q l/h	Ø wet	
SHRUBBLER	OGC201	360°	Open ± 22	1,0	33	0,37
			shutter release	1,5	41	0,64
				2,0	49	0,92
	OGC202	360°	Pressure compensated	1,5	37	0,35
				2,0	38	
				2,5	40	0,36
OGC220	180°	Open ± 22	1,0	33	0,37	
		shutter release	1,5	41	0,50	
			2,0	49	0,63	
MINIBUBBLER 360°	OGC203	360°	Open ± 22	1,0	100	0,20
			shutter release	1,5	119	0,33
				2,0	130	0,51
	OGC204	360°	Pressure compensated	1,5	68	0,30
				2,0	75	
				2,5	78	0,40
OGC207	360°	Open ± 22	1,0	64	2,80	
		shutter release	1,5	78	3,60	
			2,0	90	4,00	
OGC208	360°	Pressure compensated	1,5	35	1,00	
			2,0	38		
			2,5	39	1,10	
			3,0	41		

MINI SPRAYERS AND ACCESSORIES



Code	Type	Fig.	Ø mm	Q l/h _{a 1 bar}
OSR060	MICROJET blue base	A	1,0	33
OSR061	MICROJET green base	B	1,3	54
OSR062	MICROJET red base	C	1,5	75
OSR065	MICROJET white base	D	2,3	163
OSR080	Head MICROJET 360°	E		
OSR081	Head MICROJET 180°	F		
OSR082	Head per MICROJET 90°	G		

JET COMPONENTS, WITHOUT ADJUSTABLE FLOW, TO ASSEMBLY

A complete kit includes 1 pins + 1 hose + 1 sprayer

Code	Type	Features
OAT100	Rigid pins	mm 200
OAT101		mm 310
OTB050	Rigid extension with anchor couplings	mm 200
OTB051		mm 300
OTB052		mm 450
OSR092	Threaded adjustable sprinkler	Covering 360°
OSR091		Covering 180°



SPOT SPITTER SPRAYERS

Easy maintenance removing the nebulizer strike to clean the groove.



Code	Type	Covering
OGC414	Spot-Spitter	DS
		Lightgreen
OGC410		HS Grey
	Miniflow	90°

▶ ACCESSORIES, PIPES AND FITTINGS FOR SPRINKLERS

ACCESSORIES FOR DRIPPER

STAKES					
Code	Type	Fig.	Ø mm	Pack	
OAT011	Open stake for pipe	A	5	1.000	
OAT012	Close stake for pipe	B			
INSERT FOR PIPE PEbd 16 + 32 mm					
Code	Type	Fig.	Ø mm	Pack	
RMP118	Insert	C	3	1.000	
RMP131	Insert	D			
RTA065	Plug	E			
T INSERT FOR PIPE PEbd 16 + 32 mm					
Code	Type	Fig.	Ø mm	Pack	
RTE056	T insert	F	3	1.000	
RTE058	T insert	G			
RTE059	T insert	H			
RTE057	T insert	I			
MULTI INSERT					
Code	Type	Fig.	Ø mm	Pack	
OGC062	Manifold 8 connection	L	1/2" x 3	100	
RMP135	Connection 4 output	M	U.MF. x3		
RMP151	Connection 2 output	N	3xU.MF.		
RMP137	Insert	O			
MINIVALVES					
Code	Type	Fig.	Ø mm	Pack	
OGV010	Minivalve mod. A	P	3	50	
OGV011	Minivalve mod. B	Q			
OGV012	Minivalve mod. C	R			



BD WHITE PIPE

Code	Type	Ø mm	Coil ⁽¹⁾	Fig.
TPE1001	PN6 BD white pipe	16	1 x 50 mt	A
TPE1002			1 x 100 mt	
TPE1003			1 x 250 mt	
TPE1005		20	1 x 100 mt	
TPE1006		25		

⁽¹⁾ On demand other coil size



MICROPIPE FOR DRIPPER

MICROPIPE				
Code	Type	Ø mm	Fig.	Coil
OTB004	Micropipe in PVC black	5/3	A	1 x 200 mt
OTB102	2 layers white PEBD micropipe	Ø ext. mm 5 Ø int. mm 3	B	



TOOLS FOR DRILLING, CUTTING AND INSERTING PIPES ON PAGE 36





► SPRINKLER

SPRINKLER SI 5P BRONZE PART CIRCLE Ø1/2" M



SI-5P WITH 2 NOZZLES					
Code	Press. Kg/cm ²	Ø nozzle mm			
		3,57*		3,97	
		Radius mt	Q l/m	Radius mt	Q l/m
AIR096	2,0	11,5	11,4	11,8	13,8
	2,5	11,7	13,2	12,0	15,6
	3,0	11,9	14,4	12,3	17,4
	3,5	12,2	15,0	12,5	19,2

* standard.

SPRINKLER SI-228 PLASTIC PART CIRCLE Ø1/2" M



SI-228 PART CIRCLE									
Code	Press. Kg/cm ²	Ø nozzle mm							
		2,5		3,0*		3,5		4,0	
		Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m
OSR953	2,5	9,0	6,1	10,5	8,5	11,0	11,0	11,5	14,2
	3,0	9,5	6,8	11,0	9,2	11,5	12,3	12,0	15,8
	3,5	9,7	7,5	11,5	10,5	11,5	13,5	12,0	17,2
	4,0	10,2	8,0	12,0	12,0	12,5	15,5	13,0	19,7

* standard

SPRINKLER SI 20P BRONZE PART CIRCLE Ø3/4" M



SI-20P WITH 2 NOZZLES											
Code	Press. Kg/cm ²	Ø nozzle mm									
		3,96 - 2,38		4,36 - 2,38		4,76 - 3,17*		5,15 - 3,17		5,55 - 3,17	
		Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m
AIR095	1,8	13,8	18,3	14,5	20,8	14,6	28,0	15,0	31,3	15,2	35,0
	2,2	14,2	20,0	14,8	23,0	15,0	30,8	15,4	34,7	15,6	38,7
	2,5	14,5	21,7	15,0	24,8	15,2	33,3	15,6	37,7	16,2	42,0
	3,3	14,8	24,5	15,4	28,2	15,8	38,2	16,2	42,8	17,0	48,0
	3,6	15,0	25,8	15,6	29,8	16,0	40,2	16,6	45,0	17,5	50,3

* standard.

SPRINKLER SI-46P PP PART CIRCLE Ø 3/4" M



SI-46PC WITH 2 NOZZLES											
Code	Press. Kg/ cm ²	Ø Ug. mm									
		3,96 - 2,38		4,36 - 2,38*		4,76 - plug		4,76 - 3,17		5,15 - 3,17	
		Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m
OSR964	1	10,75	13,2	11,30	15,5	11,80	13,8	11,90	23,8	11,90	27,4
	2	11,50	18,5	12,20	21,5	13,40	19,4	13,40	29,4	14,60	36,3
	3	13,20	22,4	13,90	25,7	14,50	25,2	14,60	36,0	15,20	44,5
	4	14,30	26,5	14,70	30,4	15,20	29,2	15,20	42,6	16,20	49,3

* standard

SPRINKLER SI 30P BRONZE PART CIRCLE Ø1" M



SI-30P WITH 2 NOZZLES									
Code	Press. Kg/cm ²	Ø nozzle mm							
		6,4 - 3,2		7,1 - 3,2*		7,9 - 3,2		8,7 - 3,2	
		Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m
AIR098	3,0	16,7	55,4	18,1	65,4	18,7	76,2	19,0	86,0
	4,0	17,7	63,8	19,5	75,8	20,1	87,0	20,8	98,4
	5,0	19,4	71,0	21,1	83,8	22,0	97,8	25,0	109,8
	6,0	20,5	78,0	22,1	96,0	23,1	112,2	-	-

* standard.



SPRINKLER SI 40P BRONZE PART CIRCLE Ø1.1/4”



SI-40P WITH 2 NOZZLES

Code	Press. Kg/cm ²	Ø nozzle mm							
		9,33 - 5,55		10,32 - 5,55*		12,70 - 6,35		15,87 - 6,35	
		Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m
AIR099	4,2	24,1	141,7	23,2	176,7	27,7	253,3	30,8	358,3
	4,9	23,5	151,7	23,5	190,0	28,7	275,0	32,6	390,0
	5,6	29,3	163,3	23,8	205,0	30,8	286,7	33,5	416,7
	6,3	26,5	178,3	24,1	220,0	31,4	316,7	34,1	443,3

* standard.

SPRINKLER SI -20 F BRONZE FULL CIRCLE Ø3/4” M

SI-20F WITH 2 NOZZLES

Code	Pressure Kg/cm ²	Ø nozzle mm					
		4,36 - 3,17		4,76 - 3,17		5,15 - 3,17*	
		Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m
AIR114	2,1	11,5	17,9	12,5	29,6	13,5	34,1
	2,5	13,0	23,5	13,5	32,3	14,5	36,8
	2,8	13,5	29,4	15,0	35,5	16,0	40,7
	3,2	14,0	32,8	15,5	43,2	16,5	43,2
	3,5	14,5	37,9	16,0	40,2	17,0	45,2

* standard



SPRINKLER SI-46F PP FULL CIRCLE Ø 3/4” M

SI-46F WITH 2 NOZZLES

Code	Press. Kg/cm ²	Ø Ug. mm									
		Green		Grey		Yellow		Black		Red	
		3,96 - 2,38	4,36 - 2,38*	4,76 - 3,17	5,15 - 3,17	5,55 - 3,17	Radius	Q	Radius	Q	Radius
AIR097	1	9,75	13,2	10,50	17,0	11,00	21,0	11,75	27,5	12,60	32,7
	2	11,25	18,5	13,40	22,0	14,00	28,0	14,35	32,0	14,80	37,3
	3	12,75	22,4	14,92	25,7	15,57	36,0	16,00	40,0	16,50	45,5
	4	14,40	26,5	16,15	30,4	16,76	42,0	17,07	47,0	17,50	52,4

* standard



SPRINKLER SI -30 F BRONZE FULL CIRCLE Ø1” M

WITH 2 NOZZLES

Code	Press. Kg/cm ²	Ø nozzle mm									
		5,55 - 4,46		6,35 - 4,76		7,14 - 4,76*		7,94 - 5,55		8,73 - 5,55	
		Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m	Radius mt	Q l/m
AIR116	2,8	18,5	53,4	19,5	67,1	20,0	76,9	20,2	96,2	20,7	106,7
	3,2	18,7	57,5	20,0	71,2	20,5	81,8	20,7	102,7	21,5	116,6
	3,5	19,0	60,6	20,5	75,7	21,0	86,4	21,2	108,7	22,5	122,7
	3,9	19,5	63,2	20,7	79,9	21,5	90,9	22,0	114,4	23,0	128,8
	4,2	19,7	66,3	21,2	83,3	22,0	95,5	22,5	120,1	23,7	134,8

* standard



SI 22 MINI SPRINKLER SEE ON PAGE 132





▶ CLAY CONE EMITTERS SET, ACCESSORIES AND FITTINGS

It's not necessary to provide a pc connection or a power supply network for the clay cone emitters. Every cone perceives the ground moisture level so releases the required water quantity only. The release, slow and measured, transmits to the plant the resting water at the temperature in harmony with the environment.



Set					
Code	Description		N° emitters Tropf	Tube 8 mm mt	Fig.
OGB001	Emitters set	3m	12	7	A
OGB002		10m	40	15	B

Code	Description		N° emitters Tropf MAXI	Tube 8 mm mt	Fig.
OGB003	Tropf MAXI 2 emitters set	Tropf MAXI	2	1,2	C

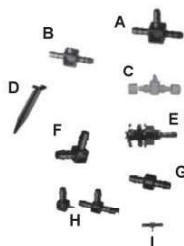
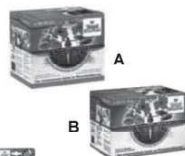
Code	Description	N° emitters Tropf	Fig.
OGB004	Indoor plants set	3	D

Accessori e raccordi				
Code	Description	Pack	Fig.	
OGB005	3/4" pressure reducer	1	A	
OGB006	Tropf single emitter		B	

Code	Description		Tube 8 mm mt	Fig.
OGB007	Tube 8mm	Black	10	A
OGB008		White		B

Code	Description	N° emitters Tropf	Tube 3 mm mt	Fig.
OGB009	3mm tube + connect fittings Tropf	10	2	A

Code	Description	Pack	Fig.
OGB016	3mm tee (box 3p)	3	A
OGB017	3mm socket (box 3p)		B
OGB010	8mm interception valve	1	C
OGB011	Distribution tubing support	10	D
OGB012	Tank starting fitting	1	E
OGB013	8mm elbow (box 3p)	3	F
OGB014	8mm socket (box 3p)		G
OGB015	Tee + 8mm end line (box 2p each)	2 x 2	H
OGB018	8x3x8 tee (box 3p)	3	I



d

VALVES AND ACCESSORIES





▶ MANUAL VALVES AND SHUTTERS

SWIVEL BALL VALVES



Code	Fig.	Ø	Connections	PFA	Pack
FVB002	A	1"	F/F	16	1
FVB005	B	3/4"	M/F		
FVB006		1"			
FVB007		1"1/2"			
FVB008		2"			

SINGLE UNION PVC AND PE BALL SHUTTERS



Ø	Connections	PFA	Pack	PVC		PP	
				Code	Fig.	Code	Fig.
1/2"	F/F	16	10	FVI027	A	FVIA007	B
3/4"				FVI011			
1"				FVI025			
1"1/4"				FVI032			
1"1/2"				FVI028			
2"				FVI026			
2"1/2"				FVI029			
3"	FVI024	C	16	FVI031	D	FVIA020	
1/2"	FVI018						
3/4"	FVI010						
1"	FVI043						
1"1/4"	FVI044						
1"1/2"	FVI040						
2"	FVI040						

GALVANIZED BALL VALVES



Ø	1/2"	3/4"	1"	1" 1/4"	1" 1/2"	2"	2" 1/2"	3"	4"
Female / female									
Cod	FSF100	FSF101	FSF102	FSF103	FSF104	FSF105	FSF108	FSF106	FSF107
PN	50	40		30	25	18	16	14	
Male / female									
Cod	FSF120	FSF121	FSF122	FSF125	FSF123	FSF124			
PN	50	40	30	25					

BALL WATER TAP

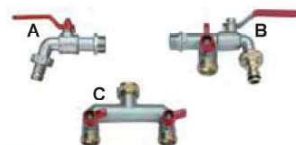


	Fig. A			Fig. B	Fig. C
Ø	1/2"	3/4"	1"	1/2" x 3/4"	3/4" x 3/4" x 3/4"
Code	FRS001	FRS002	FRS003	FRS120	FRS125
PN	15	15	12	10	10



PLASTIC CONTROL THROTTLE VALVE



Easy grip handle for convenient operation. Inbuilt flow control indicator for easy understanding of % of throttling. Main spindle shaft made out of reinforced nylon for extra strength and more wear resistant during continuous operation.
Body made of glass reinforced engineering plastic. Handle made of Abs/PP O-Ring: NBR (nitrile butadiene rubber).

Code	Fig.	Ø	Connections	PFA	Pack
FSV030	A	2"	F/F	8	1
FSV031	B	3"			

BRASS SHUTTER



Ø	1/2"	3/4"	1"	1" 1/4	1" 1/2	2"	2" 1/2	3"	4"
Light series									
Cod	FSV020	FSV021	FSV022	FSV023	FSV024	FSV025	FSV026	FSV027	FSV028
PN	10	10	10	10	10	10	10	10	10
Heavy series									
Cod	FSV001	FSV002	FSV003	FSV004	FSV005	FSV006	FSV007	FSV008	FSV010
PN	20	20	20	20	20	20	16	16	16

BI-BACKNUT PVC BALL VALVES



Ø	PFA	Pack	Threaded codes			To glue		Flanged	
			Male	Fig.	Female	Fig.	Code	Fig.	Code
20 - 1/2"	16	1	FVC220	A	FVC230	B	FVC240	C	D
25 - 3/4"			FVC221		FVC231		FVC241		
32 - 1"			FVC222		FVC232		FVC242		
40 - 1"1/4			FVC223		FVC233		FVC243		
50 - 1"1/2			FVC224		FVC234		FVC244		
63 - 2"			FVC225		FVC235		FVC245		
75 - 2"1/2			FVC226		FVC236		FVC246		
90 - 3"	10	6	FVC227		FVC247	FVC248			

THREE WAYS BALL VALVES



Ø	PFA	Pack	Threaded codes			To glue		Flanged	
			Male	Fig.	Female	Fig.	Code	Fig.	Code
40 - 1"1/4	16	1	FVC200	A	FVC203	B	FVC206	C	D
50 - 1"1/2			FVC201		FVC204		FVC207		
63 - 2"			FVC202		FVC205		FVC208		



PVC VALVES AND ADAPTOR



Ø	PFA	Pack	PVC butterfly valve		Adapter		
			Code	Fig.	Code	Fig.	
63 - DN50	16	1	FVF095	A	FVF105	B	
75 - DN65	10		FVF096		FVF106		
90 - DN80			FVF097		FVF107		
110 - DN100			FVF098		FVF108		
125 - DN125			FVF109				
140 - DN125			FVF110				
125 - 140 - DN125			FVF099		FVF111		
160 - DN150			FVF100		FVF112		
200 - DN200					FVF113		
225 - DN200							
200 - 225 - DN200					FVF101		

CAST IRON LOW PROFILE AND BUTTERFLY PRO-FILE VALVES



Ø	PFA	Pack	GG25 PN16 rubber wedge low profile shutter		PN16 cast iron lens butterfly valve with lever	
			Code	Fig.	Code	Fig.
DN40	16	1	FSP038	A	FVF345	B
DN50			FSP039		FVF346	
DN65			FSP040		FVF347	
DN80			FSP041		FVF348	
DN100			FSP042		FVF350	
DN125			FSP044		FVF351	
DN150			FSP053		FVF352	
DN200			FSP046		FVF353	
DN250			FSP047		FVF354	
DN300			FSP011		FVF355	

CHECK AND FOOT BRASS EUROPA VALVES

USEFUL PROPERTIES

- Indispensable for hole-bore and tank suction.
- Brass check and foot valves (A)
- Filters for check and foot valves (B)

TECHNICAL PROPERTIES

- Maximum operating pressure: PN 40 bar at 20°
- ND: da ½" a 3"
- Fluid: water, air, hydrocarbon, acid, etc.



Ø	Europa valves			Filters for Europa valves		
	Code	Conn.	Fig.	Code	Conn.	Fig.
1/2"	FVE001	F/F	A	FFI001	M	B
3/4"	FVE002			FFI002		
1"	FVE003			FFI003		
1 1/4"	FVE004			FFI004		
1 1/2"	FVE005			FFI005		
2"	FVE006			FFI006		
2 1/2"	FVE007			FFI007		
3"	FVE008			FFI011		
4"	FVE009			FFI012		

MINIVALVES

For dripline, threaded fittings and tape.



Code	Type	Ø mm	Fig.	Pack
FRS085	Offtake thread M rubber	3/4" x 16	A	50
FRS115		3/4" x 20		
FRS086	Male threaded valve for hose adaptor with backnut	1/2" x 16	B	
FRS087		3/4" x 16		
FRS088		1/2" x 20		
FRS089	3/4" x 20	C		
FRS008	16 x 16			
FRS009	20 x 20			
FRS080	Offtake with nut	16 x 16	D	
FRS017	Offtake thread F rubber	3/4" x 16	E	
FRS018		3/4" x 20		
FRS015	Offtake thread F/F	3/4" x 3/4"	F	
FRS016	Offtake thread M/F	3/4" x 3/4"	G	



TAPE MINIVALVES

Code	Description	Ø	Pack	
FRS020	F threaded valve/tape	3/4" x 16 mm	1-50	
FRS095	M threaded valve/tape	3/4" x 22 mm		
FRS099				
FRS090	PVC x Tape with optional rubber D2	D2 D3		
FRS094	Valvola cilindro tape Ø16			PVC x Tape with optional rubber D3
FRS096	PE x Tape			
FRS100	Tape derivation valve with Layflat pipe screw	16 mm		
FRS101		22 mm		
FRS091	Backnut valve	16 x 16 mm		
FRS092		20 x 20 mm		

HANSEN VALVES

F/F
FULL TRANSITION BALL VALVES



F/F
CHECK VALVE



FEMALE
FOOT VALVE



Code	Ø	Pack	Rox
OHV001	1/2"	1	51
OHV002	3/4"		51
OHV003	1"		32
OHV004	1 1/4"		24
OHV005	1 1/2"		17
OHV006	2"		10

Code	Ø	Pack	Rox
OHV010	1"	1	80
OHV011	1 1/4"		45
OHV012	1 1/2"		35
OHV013	2"		18
OHV014	2 1/2"		8

Code	Ø	Pack	Rox
OHV015	1"	1	160
OHV016	1 1/4"		90
OHV017	1 1/2"		70
OHV018	2"		36
OHV019	2 1/2"		8

Max. tolerable pressure: 16 bar.

UV resistant materials:

body and handle: fiberglass reinforced nylon;
ball: PP;
seat: acetalic resin (POM);
int. gaskets: nitrile rubber.

Max. tolerable pressure: 10 bar.
 Minimum opening pressure: 0,035 bar.

UV resistant materials:

body: fiberglass reinforced nylon;
spring: s/s;
diaphragm: nitrile rubber.

Max. tolerable pressure: 16 bar.

UV resistant materials:

body: fiberglass reinforced nylon;
spring: s/s;
diaphragm: nitrile rubber.



DIMENSIONS

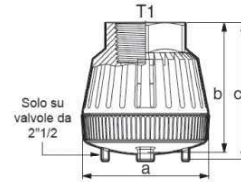
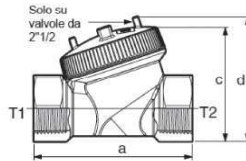
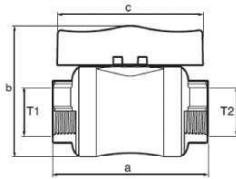
t1 t2 Ø	a	b	c	d	e
mm	mm	mm	mm	mm	mm
1/2"	98	82	93	56	54
3/4"	98	82	93	56	54
1"	111	93	104	65	61
1"1/4	122	107	112	76	69
1"1/2	135	124	123	90	79
2"	146	140	131	106	89

DIMENSIONS

t1 t2 Ø	a	b	c	d
mm	mm	mm	mm	mm
1"	102	69	72	Na
1"1/4	122	87	92	Na
1"1/2	132	99	104	Na
2"	164	123	132	Na
2"1/2	198	152	Na	178

DIMENSIONS

Ø	a	b	c
mm	mm	mm	mm
1"	69	72	Na
1"1/4	87	88	Na
1"1/2	99	99	Na
2"	123	120	Na
2"1/2	152	Na	156



LIST OF MAXIMUM RESISTANCE TO CHEMICALS

CHEMICAL SUBSTANCES	RESISTANCE LEVEL					
	THREADED FITTING			TANK FITTING		
	GOOD	OK - BUT CHECK FURTHER	BAD - TRY TO AVOID	GOOD	OK - BUT CHECK FURTHER	BAD - TRY TO AVOID
Acids Weak			X			X
Acids Strong			X			X
Organic Acids Weak		X			X	
Organic Acids Strong			X			X
Bases Weak	X			X		
Bases Strong			X		X	
Bleach			X			X
Automotive Fuel			X	X		
Automotive Lubricants			X	X		
Hydraulic Fluids			X			X
Solvents			X		X	
Hydrocarbons			X	X		
Halogens			X			X
Alcohols			X			X
Aldehydes			X			X
Amines			X			X
Esters			X			X
Ethers			X			X
Ketones			X			X
Detergents	X			X		
Oxidizing Agents			X			X
Weak Hydrogen Peroxide			X		X	
Phenols			X			X

This chart is intended as a basic guide only. The resistance to a given chemical will vary with temperature and concentrations.



ENDLINE VALVES - AIR VALVES

The endline valve reduce impurities hoard and allows an automatic cleaning at the beginning of every irrigation cycle."



Code	Model	Description	Q _{max}	Work pressure	Fig.
FVI022	Endline Ø 1/2"	Discharge 4,1 lt	3,5 m ³ /h	0,1 bar ÷ 3,8 bar	A
FVI301	Airvalve Ø 1/2"	For subirrigation		0,5 bar ÷ 5,0 bar	B

AIR BLEED

Air bleeds can be of two types depending on the kind of work they can do.

The kinetic effect model performs basically two functions:

- Ejecting air from pipes during the filling process;
- Allowing the introduction of air in the system to avoid pipes crushing during the ducts emptying process.

The double effect (kinetic and automatic) model, besides performing the functions above explained, can eliminate possible air bubbles that may form inside the pipes during the activity of the system.



Code	Ø	Fig.	Effect	m ³ /h air max		
				Out	In	During
FVI363	1"	A	Cinetic	500	62	
FVI370	1"	B	Automatic	500		69
FVI366	2"	C	Cinetic	1.000	380	
FVI396	3"	D	Cinetic automatic	1.000	270	70

▶ ELECTROVALVES AND ACCESSORIES

203 SERIES ELECTROVALVES

Standard materials:

- 33% fiberglass nylon
- metallic parts and filter s/s AISI 304, spring s/s AISI 302
- rubber diaphragm
- EPDM o-ring

Tolerable pressure between 0,78 and 9,81 bar.

Recommended working pressure between 0,98 and 6,86 bar.

Capacity between 150 and 1.350 l/m.

24 VAC solenoid (two-way).



LINE



ANGLE

Pressure drop 203 series electrovalves

Ø	Code	Flow rate in m ³ /h	Bar												
			30	35	40	45	50	55	60	65	75	85	95	105	
3"	Line OVB300		0,14	0,17	0,22	0,30	0,38	0,44	0,49	0,67	0,86	1,06	1,31	1,55	
	Angle OVB301		0,12	0,14	0,19	0,26	0,32	0,35	0,39	0,50	0,67	0,84	1,11	1,29	





VALVE 200 SERIES

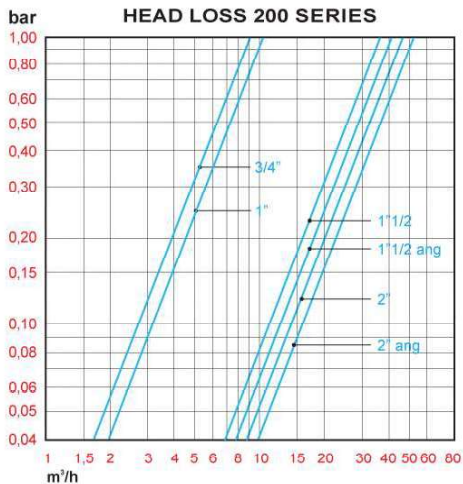
The 200 Series plastic control valves range from 3/4" to 2" in size, in either globe or angle pattern. These control valves provide superior hydraulic performance, demonstrating state-of-the-art hydraulics and plastics technology.

FEATURES AND BENEFITS

- Spring Loaded Elastomeric.
- Self operated.
- Range of closing springs.
- Plastic Globe Hydro-Efficient Valve.
- Unobstructed flow path.
- Single moving part.
- High flow capacity.
- Highly durable, chemical and cavitation resistant.
- Flexible Balances Diaphragm & Seal.
- Fully opening.
- Secures drip-tight closing.
- User-Friendly Design.
- Simple in-line inspection.
- Working pressure between 0.70 – 10 atm.

TECHNICAL DATA													
Image	Code	Ø	Connection threaded F/F	Flow control	Function	Execution	Solenoid	Dimension mm		Weight Kg*			
								L _{max}	H				
	OVB200	3/4"	Line	No	Open/Close	Electric	24 VAC	110	115	0,35			
	OVB210						Bistable						
	OVB202						24 VAC						
	OVB212						Bistable						
OVB201	1"	No		24 VAC			160				180	1,00	
OVB211				Bistable									
OVB203				24 VAC									
OVB213				Bistable									
	OVB204	1 1/2"	Angle	Yes	pressure reducing	Hydraulics		24 VAC	125	190			0,95
	OVB214							Bistable					
	OVB206							24 VAC					
	OVB216							Bistable					
	OVB220	Line	No	Yes			Open/Close	Electric	24 VAC	160	180	1,00	
	OVB222								Bistable				
	OVB205								24 VAC				
	OVB215								Bistable				
	OVB207	2"	Angle	Yes	pressure reducing	Hydraulics			24 VAC	125	210	0,91	
	OVB217								Bistable				
	OVB221								24 VAC				
	OVB223								Bistable				
	OVB218	Line	No	No			pressure reducing	Hydraulics	24 VAC	170	190	1,10	
	OVB219								Bistable				
	OVB224								24 VAC				
	OVB225								Bistable				
	OVB226	Angle	No	No	pressure reducing	Hydraulics			24 VAC	125	210	0,91	
	OVB227								Bistable				
	OVB228								24 VAC				
	OVB229								Bistable				

* Without manual flow control





130-55-X-M

VALVE 100 SERIES

The 100 Series Hydraulic Control Landscape Valve is a hydraulically operated, diaphragm actuated control valve that opens and shuts in response to a pressure command.

FEATURES AND BENEFITS

- Hydraulic Control Valve.
- Line pressure driven.
- Hydraulically controlled On/Off.
- Engineered Plastic Valve with Industrial Grade Design.
- Adaptable on-site to a wide range of end connection sizes and types.
- Articulated flange connections eliminate mechanical and hydraulic stresses.
- Highly durable, chemical and cavitation resistant.
- HYflow "Y" Valve Body with "Look Through" Design.
- Ultra-high flow capacity - Low pressure loss.
- Unitized Flexible Super Travel (FST) Diaphragm and Guided Plug.
- Smooth closing.
- Requires low actuation pressure.
- Prevents diaphragm erosion and distortion.
- User-Friendly Design.
- Simple in-line inspection and service".
- Working pressure between 0.35 and 10 atm.

100 SERIES THREADED

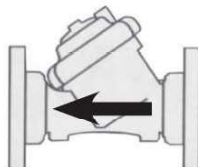
Model	Date	1.1/2"	2"	2"L	2"1/2	3"	3"L
105M	Basic valve with mechanical close	FERB003	FERB004	FERB005	FERB006	FERB007	FERB008
3W-M	Solenoid 24 VAC 3 ways	FERB031	FERB032	FERB033	FERB034	FERB035	FERB036
110	N-2W-M Solenoid 24 VAC 2 ways	FERB025	FERB026	FERB027	FERB028	FERB029	
LS-X-M	Solenoid Latch 3 ways	FERB049	FERB050	FERB051	FERB052	FERB053	FERB054
LS-2W-M	Solenoid Latch 2 ways	FERB043	FERB044	FERB045	FERB046	FERB047	
2W-M	2 ways	FERB061	FERB062	FERB063	FERB064	FERB065	FERB066
X-MZ	3 ways - manual selector	FERB073	FERB074	FERB075	FERB076	FERB077	FERB078
B-MZ	Reducing pressure with pilot servo - manual selector of position	FERB085	FERB086	FERB087	FERB088	FERB089	FERB090
120	50-X-MZ Hydraulic control 3 ways - manual selector of position	FERB097	FERB098	FERB099	FERB100	FERB101	FERB102
55-2W-M	Electric control 2 ways	FERB109	FERB110	FERB111	FERB112	FERB113	FERB114
55-X-M	Electric control 3 ways	FERB121	FERB122	FERB123	FERB124	FERB125	FERB126
55-LS-XM	Electrical bistable control 3 ways	FERB133	FERB134	FERB135	FERB136	FERB137	FERB138
123	X-MZ Reducing/substain pressure	FERB145	FERB146	FERB147	FERB148	FERB149	FERB150
X-MZ	Pressure substain with manual selector of position	FERB157	FERB158	FERB159	FERB160	FERB161	FERB162
130	55X-M Electric control 3 ways	FERB169	FERB170	FERB171	FERB172	FERB173	FERB174
13Q	Quick discharge of pressure with mechanical close	FERB181	FERB182	FERB183	FERB184	FERB185	FERB186
150	60-M Level control	FERB193	FERB194	FERB195	FERB196	FERB197	FERB198
Dimension mm		L	200	230	298		
		H	156	170	180	240	
		W	97	135	190		



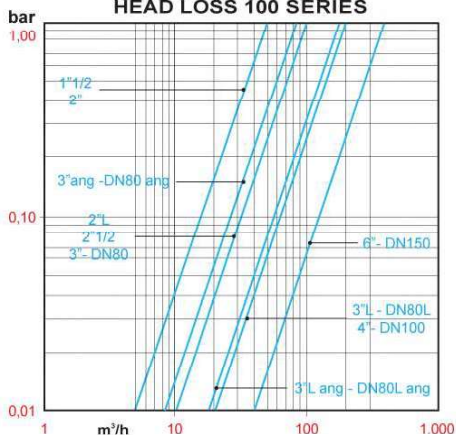
105-M



123-X-MZ



HEAD LOSS 100 SERIES





100 SERIES ANGLE THREADED

Model		Data		3"		3"L	
105	M	Basic valve with mechanical lock			FERB009	FERB010	
110	3W-M	Solenoid 24 VAC 3 ways			FERB037	FERB038	
	LS-X-M	Solenoid Latch 3 ways			FERB055	FERB056	
120	2W-M	Reducing pressure with mechanical close	2 ways	CODE	FERB067	FERB068	
	X-MZ		3 ways - manual selector		FERB079	FERB080	
	B-MZ		2/3 ways for low pressure - pilot servo - manual selector of position		FERB091	FERB092	
	50-X-MZ		Hydraulic control 3 ways - manual selector of position		FERB103	FERB104	
	55-2W-M		Electric control 2 ways		FERB115	FERB116	
	55-X-M		Electric control 3 ways		FERB127	FERB128	
	55-LS-XM		Electric control bistable 3 ways		FERB139	FERB140	
123	X-MZ	Reducing/substain pressure	3 ways - manual selector of position		FERB151	FERB152	
130	X-MZ	Pressure substain with mechanical close	3 ways - manual selector of position		FERB163	FERB164	
	55X-M		Electric control 3 ways		FERB175	FERB176	
13	Q	Quick discharge of pressure with mechanical lock			FERB187	FERB188	
150	60-M	Level control			FERB199	FERB200	
				Dimension mm	L	187	235
					H	235	290
					W	135	170



120-X-MZ



13-Q-M



110-N-2W-M



150-60-M

100 SERIES FLANGED

Model		Data		DN80	DN80L	DN100	DN150	
105	M	Basic valve with mechanical lock		FERB011	FERB012	FERB013	FERB014	
110	3W-M	Solenoid 24 VAC 3 ways		FERB039	FERB040	FERB041	FERB042	
	N-2W-M	Solenoid 24 VAC 2 ways		FERB030				
110	LS-X-M	Solenoid Latch 3 ways		FERB057	FERB058	FERB059	FERB060	
	LS-2W-M	Solenoid Latch 2 ways		FERB048				
120	2W-M	Reducing pressure with mechanical close	2 ways	FERB069	FERB070	FERB071	FERB072	
	X-MZ		3 ways - manual selector	FERB081	FERB082	FERB083	FERB084	
	B-MZ		2/3 ways for low pressure - pilot servo - manual selector of position	FERB093	FERB094	FERB095	FERB096	
	50-X-MZ		Hydraulic control 3 ways - manual selector of position	FERB105	FERB106	FERB107	FERB108	
	55-2W-M		Electric control 2 ways	FERB117	FERB118	FERB119	FERB120	
	55-X-M		Electric control 3 ways	FERB129	FERB130	FERB131	FERB132	
	55-LS-XM		Electric control bistable 3 ways	FERB141	FERB142	FERB143	FERB144	
123	X-MZ	Reducing/substain pressure	3 ways - manual selector of position	FERB153	FERB154	FERB155	FERB156	
130	X-MZ	Pressure substain with mechanical close	3 ways - manual selector of position	FERB165	FERB166	FERB167	FERB168	
	55X-M		Electric control 3 ways	FERB177	FERB178	FERB179	FERB180	
13	Q	Quick discharge of pressure with mechanical close		FERB189	FERB190	FERB191	FERB192	
150	60-M	Level control		FERB201	FERB202	FERB203	FERB204	
				L	308	310	350	480
				H	240	280	294	285
				W	100	100	115	385



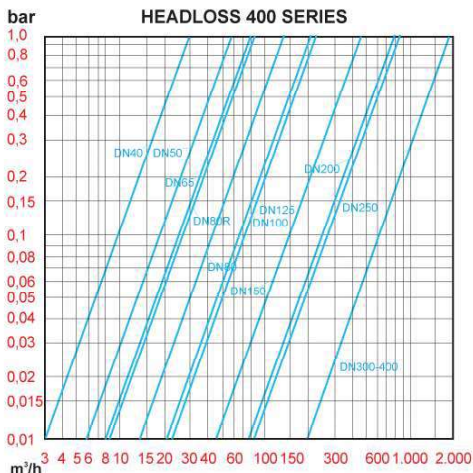
CONTROL HYDRAULIC CAST IRON VALVES 400 SERIES

Technical specifications:

- Standard connections: **flanges:** ISO 7005-2 (PN10 e 16) - **thread:** Rp ISO 7/1 (BSP.P) o NPT - **victaulic:** ANSI C606
- Functioning range: IR-400: **0,5 ÷ 16 bar**
- Temperature: water until **60°C**
- Standard materials: ■ **fusions:** cast iron EN 1561 - ball cast iron EN 1563 - brass ■ **plastic materials:** polyamide 6+30% GF ■ **elastomers:** NR to EN 681-1 ■ **paints:** powdered polyester electrostatic covering

Standard configuration:

- Main valve: threaded and flanged – cast iron
- Nominal pressure: testo
- Main valve normally closed
- Threading: testo
- Paint: green polyester



VALVES 400 SERIES - CONTROL FUNCTIONS

Model	Specifications	Code	Threaded					Flanged				
			1"1/2	2"	2"1/2	3"R	3"	DN80	DN100	DN125	DN150	DN200
405	Basic valve	FERB	400	401	403	404	405	407	409	410	411	412
405-KZ-C	Basic valve + 3 ways selector	FERB	413	414	416	417	418	420	422	423	424	
410-KX	Basic valve + 3 ways solenoid 24V AC	FERB	425	426	428		430	432	434	435		
410-LS-KX	Basic valve + 3 ways solenoid 9V DC	FERB	440	441	443		445	447	449			
420-KXZ	Basic valve + pressing reducing + 3 ways selector	FERB	455	456	458		460	462	464	465		
420-55-KX5	Basic valve + solenoid 24V AC + pressing reducing + 3 ways selector	FERB	482	483	485		487	489	491	492		
420-55-LS-KX	Basic valve + solenoid 9V DC + pressing reducing + 3 ways selector	FERB	500	501	503		505	507	509			
423-KXZ	Basic valve + reducing + pressure support	FERB	515	516	518		520	522	524	525		
43Q-K	Basic valve + quick release	FERB	530	531	533		535	537	539	540		
430-KXZ	Basic valve + pressure support	FERB	545	546	548		550	552	554	555		
		L	153	180	210	210	255	250	320	320	415	500
		H	87	114	132	140	165	210	242	254	345	430
		W	98	119	129	129	170	200	223	197	306	365
		R	29	39	45	53	55	100	112	127	140	170
		Weight Kg	2	4	5,7	5,8	13	19	28	33	68	125
	Flow rate in m³/h at 1 bar headloss	n.d.	57	78	n.d.	136	136	204	220	458	781	

For accessories contact Technical Department - Available Victaulic connection Ø DN50 - DN80 - DN100 - DN150



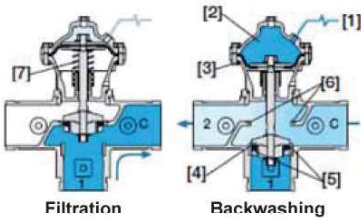
BACKWASHING VALVES - 350 SERIES

The Series 350 is ideal for automatic backwashing of the filters. The simple design of these valves compact 3-way ensures smooth operation and extended without the need for assistance. The shutter closes a diaphragm seal the input stream of the filter, simultaneously opening the discharge. The dynamic seal ensures a complete seal is in input that in the exhaust. Thanks to the limited movement of the valve has a smooth change of flow direction and the non-water dispersion.

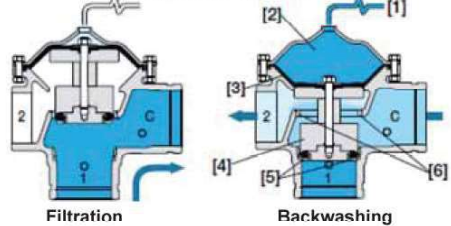
Dimensions available:

- Valves of glass fiber reinforced plastic 2 "x 2" and 3 "x 3" with dual-chamber actuator, available in configurations flow angle (A) and straight (S).
- Valves Metal 2 "x 2", 3 "x 2", 3 "x 3" with dual-chamber actuator, available in configurations to flow at an angle (A).
- Valves Metal 4 "x 3", and 4 "x 4" with a single actuator, available in configuration to flow angle (A).

Working double chamber






Working single chamber



Hydraulic [1], which pressurizes the upper chamber [2], press on the diaphragm [3] implements the shutter [4] towards the seat was held input [5], a total seal. inhibits steps flow from the exhaust port [6]. Download Room which together with the upper spring [7] push the actuator in the filtration position.

Hydraulic [1], which pressurizes the chamber implementation [2], press on the diaphragm [3] implements the shutter [4] to the sealing seat of input [5], to total seal. inhibits Steps flow from the exhaust port [6]. When the valve closes, the shutter [7] blocks the exhaust port. By downloading the chamber pressure returns to the position of the shutter filtration.

	Code	Model	With manual selector	With solenoid 24V AC	With solenoid 9V Latch
	Backwashing valve, 2 x 2 plastic body				
	FERB350	Straight flow and reverse IR 2"X2" S-O-P-P threaded	FERB360	FERB370	FERB375
	Backwashing valve, 3 x 3 plastic body				
	FERB351	Straight flow and reverse IR 2"X2" S-O-P-P Victaulic	FERB361	FERB371	FERB376
	Backwashing valve, 3 x 2 metal body				
	FERB353	Angle flow IR 3" X 2" – CC-A-I-P-VI-PG Victaulic	FERB363	FERB373	FERB378
	Backwashing valve, 4 x 4 plastic body				
	FERB354	Angle flow and reverse IR 4"X4" A-P-V-VI-UC	FERB364	FERB374	FERB379

N. standard configuration with main valve normally open



CAST IRON HYDRAULIC VALVES

Material: Cast iron GG25 - **Coating:** Powder polyester - **Maximum working Pressure:** 16kg/cm² - **Diaphragm:** Neoprene or EPDM - **Threaded valves:** BSP, (NPT under order) - **Diameter:** 1.1/2", 2", 2.5", 3" and 4" - **Flanged valves:** DIN 2576, others under order - **Diameter:** DN80, DN100, DN125, DN150, DN200, DN250 and DN300.

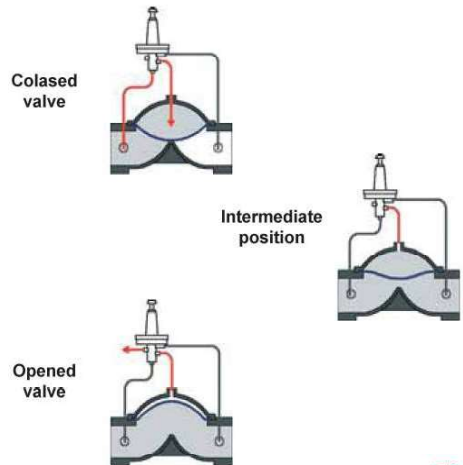
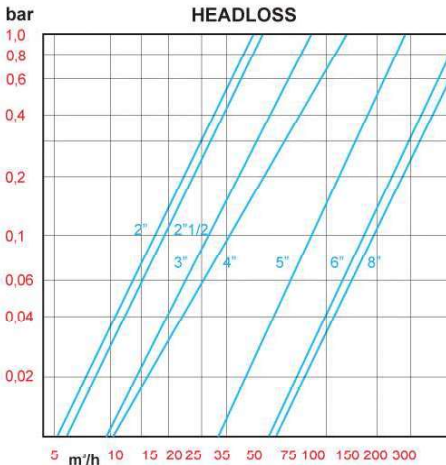


BASIC VALVES - MINIMUM WORKING PRESSURE, SIZE AND WEIGHT

Code	Ø	Connectors	Diaphragm press. min bar		Dimension mm		N° hole	Ø hole	Weight Kg
			Low P.	High P.	L	H			
FERV101	2"	Thread	0,3	0,5	165	110	-	-	3,2
FERV102	2" 1/2	Thread	0,3	0,5	230	120	-	-	4,3
FERV103	3"	Thread	0,4	0,6	240	150	-	-	7,3
FERV105	4"	Thread	0,4	0,6	295	192	-	-	11,5
FERV110	3" DN 80	Flanged	0,5	0,8	275	205	8	18	14,8
FERV111	4" DN 100	Flanged	0,5	0,8	315	240	8	18	21,8
FERV112	5" DN 125	Flanged	0,5	1,0	300	250	8	18	28,0
FERV113	6" DN 150	Flanged	0,6	1,0	390	320	8	22	50,0
FERV114	8" DN 200/150	Flanged	0,6	1,0	390	340	12	22	63,0











CONTROLLER FUNCTION

	Ø Thread				Ø Flanged				
	2"	2 1/2"	3"	4"	DN 80	DN 100	DN 125	DN 150	DN 200
Manual valve (3 ways)	FERV141	FERV142	FERV143	FERV144	FERV150	FERV151	FERV152	FERV153	FERV154
Electric valve NC 24 VAC 9 bar (3 ways)	FERV221	FERV222	FERV223	FERV224	FERV230	FERV231	FERV232	FERV233	FERV234
Electric valve NA 24 VAC 9 bar (3 ways)	FERV241	FERV242	FERV243	FERV244	FERV250	FERV251	FERV252	FERV253	FERV254
Electric valve latch 6 - 40 V (3 ways)	FERV261	FERV262	FERV263	FERV264	FERV270	FERV271	FERV272	FERV273	FERV274
Pressure reducing valve (3 ways) 12 bar	FERV321	FERV322	FERV323	FERV324	FERV330	FERV331	FERV332	FERV333	FERV334
Pressure sustaining valve (3 ways) 12 bar	FERV341	FERV342	FERV343	FERV344	FERV350	FERV351	FERV352	FERV353	FERV354
Electric valve 24 VAC rid. pressure (3 ways)	FERV361	FERV362	FERV363	FERV364	FERV370	FERV371	FERV372	FERV373	FERV374
Electric valve 12 V DC	FERV449	FERV450	FERV451	FERV452	FERV455	FERV456	FERV457	FERV458	FERV459





MINI FITTING FOR VALVES

Code	Type	Ø	
RTG001	Elbow for pipe	6 x 1/8" M	
RTG002		6 x 1/4" M	
RTG003		8 x 1/8" M	
RTG004		8 x 1/4" M	
RTD001	Bushing m. for pipe	6 x 1/8" M	
RTD002		6 x 1/4" M	
RTD003		8 x 1/8" M	
RTD004		8 x 1/4" M	
RTT320	Plug for pipe	1/8" M	
RTT321		1/4" M	
RTN001	Nipple for pipe	1/8" M x 1/8" M	
RTN002		1/4" M x 1/4" M	
RTN003		1/4" M x 1/8" M	
RTT300	Tee for pipe	6 x 6 x 6	
RTT301		8 x 8 x 8	
RTT315		6 x 6 x 1/8" M	
RTT316		6 x 6 x 1/4" M	
RTT317		8 x 8 x 1/8" M	
RTT318		8 x 8 x 1/4" M	
RTT310		6 x 1/8" M x 6	
RTT311		6 x 1/4" M x 6	
RTT312		8 x 1/8" M x 8	
RTT313		8 x 1/4" M x 8	
RTM200	Coupling for pipe	6 x 6	
RTM201		8 x 8	
RTM202		6 x 8	
RTR099	Reducing for pipe	1/2" M x 1/8" F	
RTR098		1/2" M x 1/4" F	
RTR097		1/2" M x 3/8" F	
FERC1645	Valve 3 ways	1/8" F x 1/8" F x 1/8" F x 1/4" M	
OTB100	Micropipe PVC	4 x 6.5 thick. 1,15 mm (200 mt)	
OTB083	Micropipe PE black	8 mm (150 mt)	



AJUSTABLE DIRECT ACTION PRESSURE REDUCER

The Adjustable Direct Acting Pressure Reducer is actuated by a pressure responsive diaphragm, which seeks to reach equilibrium between hydraulic and set spring force. They are built of reinforced plastic that endows it with excellent hydraulic performance capabilities and high mechanical strength. It reduces higher upstream pressure to lower constant downstream pressure regardless of fluctuating demand or varying upstream.



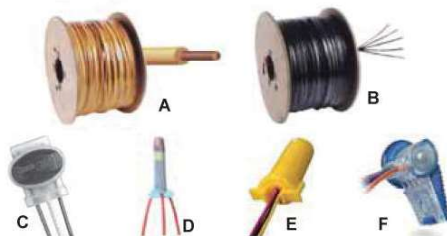
MINI PILOTS IN PLASTIC FOR VALVES 1"1/2 ÷ 4" (DN40 ÷ DN100)

Code	Model	Description	Press. bar	
			Min	Max
APL013	PC-XD-A-P	Mini Pilot 3 ways in plastic	1	10
APL011	PC-X-A-P	Mini Pilot multi function 3 ways in plastic		
APL014	PC-20-A-P	Mini Pilot reducing pressure 2 ways in plastic		
APL015	PC-2D-A-P	Mini Pilot differential reducing pressure 2 ways in plastic		
APL016	PC-S-A-P	Mini Pilot "Servo" 2/3 ways plastic	0,5	3
APL017	PC-SD-A-P	Pilot sensor of Pressure "Servo" 2/3 ways in plastic	1	10
APL018	PC-30-A-P	Mini Pilot sustaining pressure 2 ways in plastic		12
APL019	PC-3Q-A-P	Mini Pilot pressure inf. 2 ways in plastic		
APL022	PC-70-P	Pilot flow control 2 ways in plastic		

▶ LOW VOLTAGE LIGHTING CABLE

This specification covers the construction requirements for two conductor underground low energy circuit cables for outdoor low voltage lighting. Construction consists of stranded uncoated annealed copper conductors, laid parallel and insulated with polyvinyl chloride. Listed by UL or ETL or CSA. Bunch or rope stranded uncoated annealed copper conforming to UL requirements. The two conductors are laid parallel and insulated. A continuous web shall keep the conductors together. Black polyvinyl chloride conforming to Underwriters Laboratories Class 43 60 °C thermoplastic, suitable for direct burial. One leg has raised ridges for polarity.

Code	Mt. Coil	Fig.	Model	Colour	N° Wires	Ø mm ²
CCV008	760	A	Cable unipolar PAIGE	black	1	1,50
CCV010				yellow		
CCV009				black		
CCV017	304	B	Cable multipolar PAIGE	black	2	0,82
CCV050	152			yellow		
CCV051	76			5		
CCV052				7		
CCV053				10		
CCV054		13				
OAA015		C	Connector			2,50
OAA006		D	DBR/Y-6			
OAA051		E	Resin LV9000 Landscape use			6,00
OAA016		F	48V LV9500 Professional use			



MAX DISTANCE CONNECTION TO THE VALVES

Cable (mm ²)	Max distance (m)
0,81	274
0,82	277
1,60	539

Kind of line singlephase ● working temperature - 30°C
 ● voltage - 24 V c.a. ● Absorption - 0,35 Amp





▶ UNDERGROUND CABLE LOCATOR

UNDERGROUND CABLE LOCATOR SC-PRO7 - CODE ORV020



The Sc-Pro7 Underground Cable Locator is a low cost tester for contractors and maintenance personnel. Incorporating a dual frequency transmitter and sensitive receiver, it tracks many types of cabling, including CATV, electrical, telephone, and lighting. It transmits an easy to follow beep signal that is tracked by the receiver. Simply connect the transmitter to ground and the wire to be tracked and turn it on. Follow the beeps with the receiver using the visual meter, external speaker, or a headset. It is that simple.



DATA:

- **Battery:** Transmitter: Battery 8D Alkaline.
Receiver: battery alkaline 9V (not included).
- **Duration battery:** Transmitter: 50 hours - Receiver: 50 hours.
- **Frequency:** Of transmitter: 1748Hz.
- **Power:** 750V p-p, 285V rms.
- **Distance:** Until 600 meters.
- **Depth:** 1 meter.

UNDERGROUND CABLE LOCATOR SC-PRO8 - CODE ORV021



Respect to the model Sc-Pro7, the SC-Pro8 has 5 more features:

- Battery of transmitter rechargeable (charger included).
- Transmitter with more power of 20%.
- Possibility wireless transmission data to monitor.



DATA:

- **Battery:** Transmitter 12V 1.5Ah rechargeable - Receiver 9V standard.
- **Power output:** - 900V P-P.
- **Distance:** Until 1200 meters.
- **Depth:** Until 2.5 meters.
- **Weight:** 3.5 Kg.