



# PLASTICA ALFA



## ***FILTERS & FERTIRRIGATION***

2014




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**IDROCICLONE**  
**ALFA**  
**TURBO**

**Idrociclone**  
**Hydrocyclone**

Ai fini di una maggiore resa, è consigliabile utilizzare più idrocycloni in batteria piuttosto che utilizzarne uno o due di maggiore portata ma minore capacità filtrante. A tale proposito la leggerezza e maneggevolezza del filtro costituiscono un ulteriore vantaggio poiché permettono di movimentare, montare e smontare gli apparati filtranti con facilità e rapidità.

I filtri **IDROCICLONE ALFA TURBO** sono disponibili con vari tipi di collegamento alla rete: raccordi **ALFARAPID** di tipo victaulic, raccordi filettati BSP o NPT, raccordi a compressione e flangiati, tutti prodotti da **Plastica Alfa** con standard di qualità europei e materiali innovativi di prima qualità.

La **Plastica Alfa** s.r.l. ha intrapreso l'iter per ottenere il brevetto internazionale sul filtro **IDROCICLONE ALFA TURBO** che è pertanto protetto contro ogni tentativo di imitazione e contraffazione.

In order to achieve better results, we recommend to use more filters assembled in a bank instead of using one or two filters of higher flow rate but lower filtering capacity. In this case its low weight and easy handling represent a further advantage since it becomes very easy and quick to handle, assemble and disassemble the filtering units.

The sand separator **HYDROCYCLONE ALFA TURBO**, is available with different types of connection to the main line: **Alfarapid** fittings type Victaulic, BSP and NPT threaded fittings, compression and flanged fittings, all manufactured by **Plastica Alfa** following the European standards and using high quality materials.

The new sand separator **HYDROCYCLONE ALFA TURBO** is now patent pending in order to prevent any attempt of imitation.

**10FLI****Idrociclone 1"**  
Hydrocyclone 1"

Codice/Code	Diametro Ingresso/Inlet diameter	Diametro Uscita/Outlet diameter	Euro Price
10FLI110	ø 1" BSP (Gas)	ø 1" BSP (Gas)	85,00
10FLI111	ø 1" NPT	ø 1" NPT	85,00

**20FLI****Idrociclone 2"**  
Hydrocyclone 2"

Codice/Code	Diametro Ingresso/Inlet diameter	Diametro Uscita/Outlet diameter	Euro Price
20FLI200	ø 2" ALFARAPID	ø 2" ALFARAPID	230,00
20FLI210	ø 2" BSP (Gas)	ø 2" BSP (Gas)	230,00
20FLI211	ø 2" NPT	ø 2" NPT	230,00

**30FLI****Idrociclone 3"**  
Hydrocyclone 3"

Codice/Code	Diametro Ingresso/Inlet diameter	Diametro Uscita/Outlet diameter	Euro Price
30FLI300	ø 3" ALFARAPID	ø 3" ALFARAPID	380,00
30FLI310	ø 3" BSP (Gas)	ø 3" BSP (Gas)	380,00
30FLI311	ø 3" NPT	ø 3" NPT	380,00

Filettature conformi alle norme/Threads complying with standard  
UNI EN 10226-1,-2; ANSI/ASME B1.20.1

Tramite gli attacchi ALFARAPID è possibile connettere l'idrociclone alla rete con altri tipi di connessione: con flangia, con raccordo a compressione o a tubi in PVC. Alle pagine 8,9 e 12 troverete tutti gli accessori che permettono tali applicazioni.

Using the Alfarapid connections, it is easy to connect the Alfaturbo to different types of connections: with flange, compression fitting or PVC pipes. See page 8,9 and 12 for these accessories.



# IDROCICLONE ALFA TURBO 1"

**Attacchi disponibili-Available connections**

Filettatura/Thread  
BSP (Gas) 1"  
NPT ø 1"

Pressione Max di funzionamento raccomandata: **5 bar**  
Max. working pressure recommended: (72.5 psi)

Max Flow recommended: **1,7 lt/sec**

Portata massima consigliata: (26.9 gal/min)

**Capacità Filtrante/Filtering capacity:**

Particelle/Particles: >70 micron

Peso specifico/Specific weight: ≥ 2,5 Kg/dm<sup>3</sup>

Efficienza di filtrazione/Efficiency: >80%

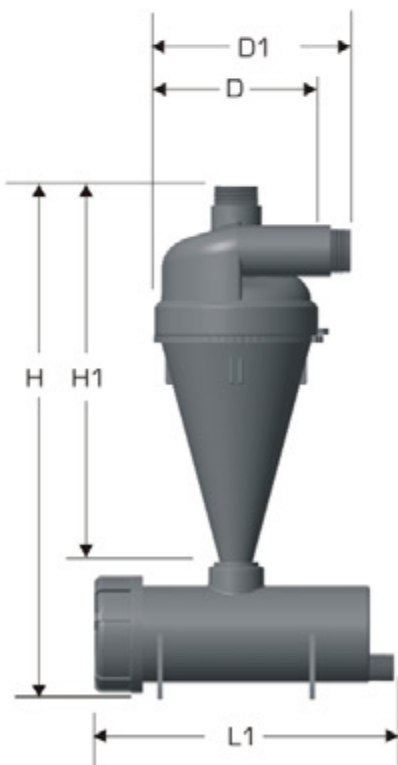
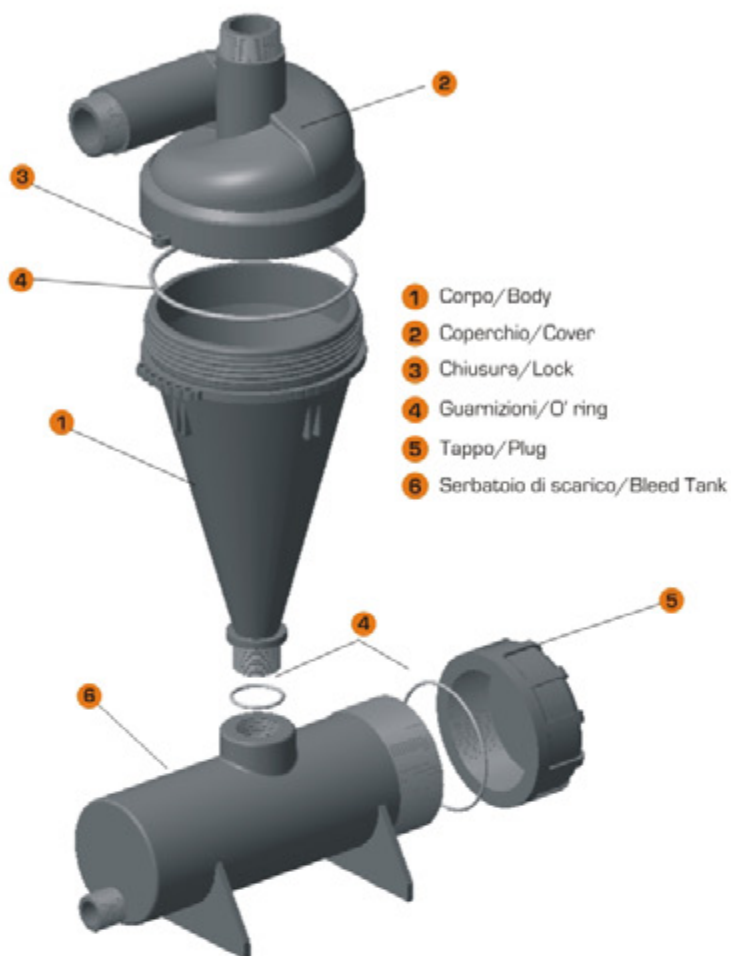
**Range Temperature**

-10 °C + 95 °C

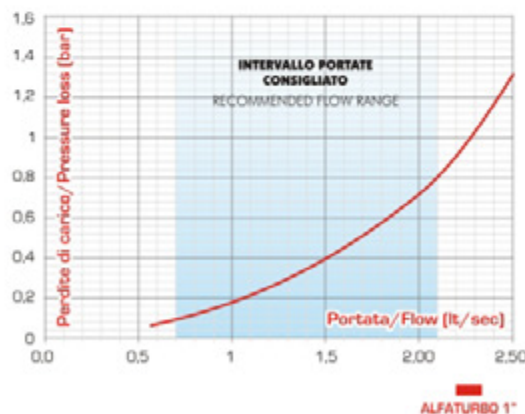
**Materiali - Materials**

Corpo e tappo: PPCV stabilizzato UV  
Serbatoio di scarico: PP stabilizzato UV  
Guarnizioni : Gomma Nitrilica (NBR Standard)

Body and Cap : PPGF UV stabilized  
Bleed tank: PP UV stabilized  
O-ring : Nitrile Rubber (NBR Standard)



**GRAFICO PERDITE DI CARICO - PRESSURE LOSS GRAPH**



**FILTRO IDROCICLONE ø 1"**

PORTATA Flow			PERDITA DI CARICO Pressure Loss		
lt/sec	mc/h	gal/min	bar	PSI	mt
0.6	2.2	9.5	0.05	0.7	0.51
0.7	2.5	11.1	0.08	1.2	0.82
1.0	3.6	15.9	0.18	2.6	1.84
1.1	4.0	17.4	0.22	3.2	2.24
1.4	5.0	22.2	0.32	4.6	3.26
1.5	5.4	23.8	0.38	5.5	3.88
1.6	5.8	25.4	0.42	6.1	4.28
1.7	6.1	26.9	0.50	7.3	5.10
1.9	6.8	30.1	0.62	9.0	6.32
2.0	7.2	31.7	0.70	10.2	7.14
2.1	7.6	33.3	0.78	11.3	7.96
2.5	9.0	39.6	1.10	16.0	11.22
2.7	9.7	42.8	1.24	18.0	12.65

H	H1	D	D1	L1	Peso/weight
39	28	12.5	16	22	0,85 Kg

Prove effettuate in Laboratorio utilizzando acqua limpida alla temperatura di 20±1 secondo la norma UNI 10286.  
Test carried out using limpid water at 20±1 according to UNI 10286 standard.

Filettature conformi alle norme/Threads complying with standard  
UNI EN 10226-1,-2; ANSI/ASME B1.20.1



# IDROCICLONE ALFA TURBO 2"

### Attacchi disponibili - Available connections

Raccordi scanalati Alfarapid / Grooved Fittings Alfarapid : ø 2"  
 BSP (Gas) 2"  
 NPT ø 2"

Pressione Max di funzionamento raccomandata: **5 bar**  
 Max. working pressure recommended: **(72.5 psi)**

Max Flow recommended: **30 m<sup>3</sup>/h**  
 Portata massima consigliata: **(132,1 gal/min)**

### Capacità Filtrante / Filtering capacity:

Particelle / Particles: >70 micron  
 Peso specifico / Specific weight: ≥ 2,5 Kg/dm<sup>3</sup>  
 Efficienza di filtrazione / Efficiency: >80%

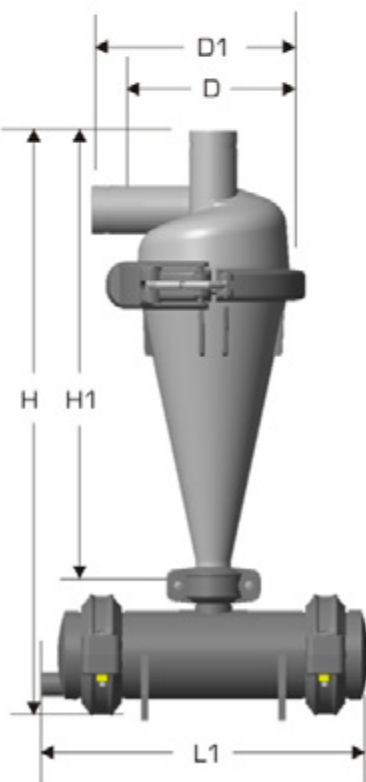
### Range Temperature

-10 °C + 95 °C

### Materiali - Materials

Corpo e tappo: PACV stabilizzato UV  
 Serbatoio di scarico: PPCV stabilizzato UV  
 Giunti: PACV stabilizzato UV  
 Guarnizioni : Gomma Nitrilica (NBR Standard)  
 Bulloni: Acciaio Zincato / Acciaio Inox AISI 304 (su richiesta)

Body and Cap : PAGF UV stabilized  
 Bleed tank: PPGF UV stabilized  
 Joint : PAGF UV stabilized  
 O-ring : Nitrile Rubber (NBR Standard)  
 Bolts : Galvanized Steel / Stainless Steel AISI 304 (upon request)

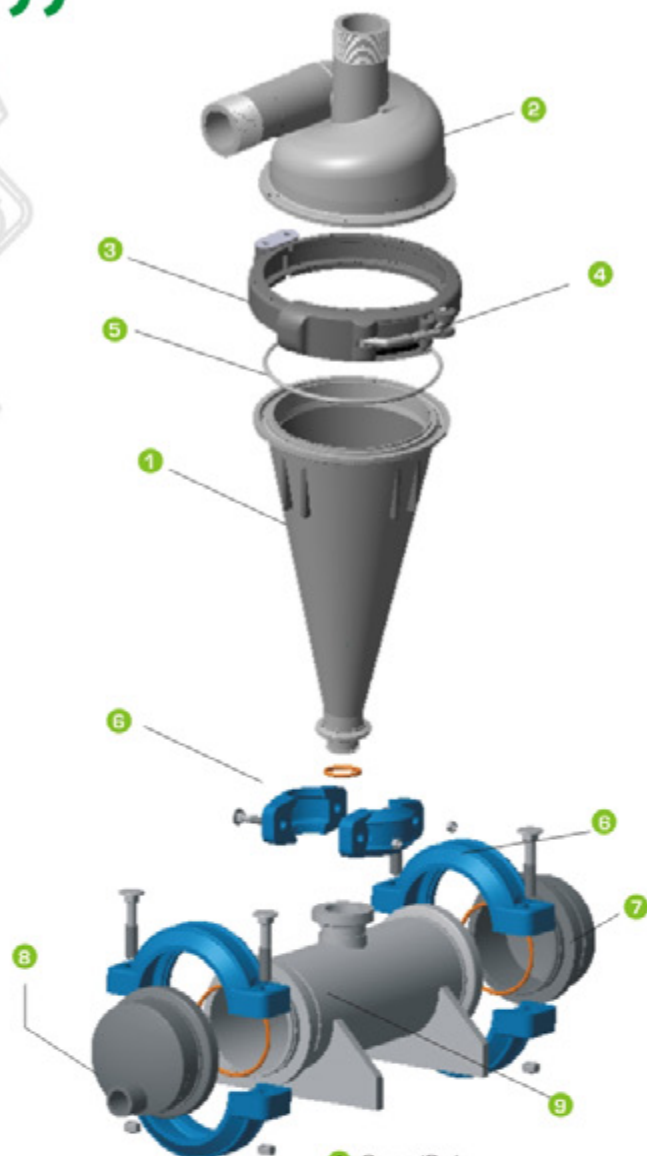


### IDROCICLONE ø 2"

PORTATA Flow			PERDITA DI CARICO Pressure Loss		
lt/sec	m <sup>3</sup> /h	gal/min	bar	PSI	mt
3.0	10.8	47.6	0.24	3.50	2.45
4.0	14.4	63.4	0.40	5.80	4.06
5.0	18.0	79.3	0.60	8.70	6.12
6.0	21.6	95.1	0.90	13.10	9.18
7.0	25.2	111.0	1.21	17.50	12.35
8.0	28.8	126.8	1.50	21.80	15.30
9.0	32.4	142.7	1.97	28.60	20.10
10.0	36.0	158.5	2.38	34.50	24.28
11.0	29.6	174.4	2.76	40.0	28.15

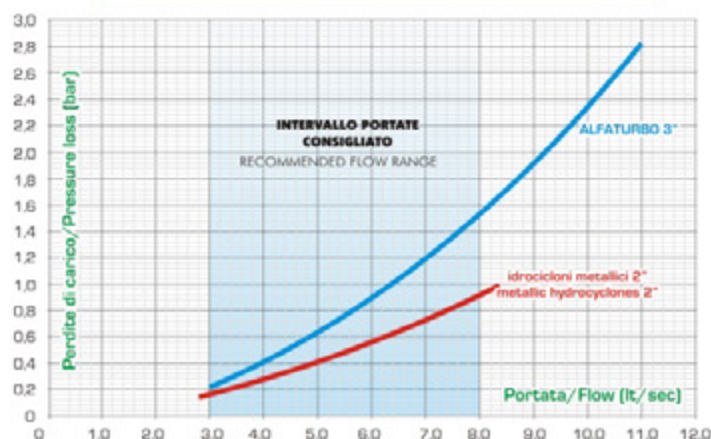
H	H1	D	D1	L1	Peso/weight
76	58	22	26	42	6.3 Kg

Fillettature conformi alle norme / Threads complying with standard  
 UNI EN 10226-1,2; ANSI/ASME B1.20.1



- 1 Corpo / Body
- 2 Coperchio / Cover
- 3 Sistema di chiusura con fascia di serraggio in PACV / Tightening system PAGF clamp
- 4 Gancio di chiusura in acciaio Inox / Stainless Steel Lock
- 5 Guarnizione / O' Ring
- 6 Giunti Alfarapid / Alfarapid Joints
- 7 Tappo / Plug
- 8 Tappo di scarico / Bleed Plug
- 9 Serbatoio di scarico / Bleed Tank

### GRAFICO COMPARATIVO - COMPARATIVE CHART 2"



Prove effettuate in Laboratorio utilizzando acqua limpida alla temperatura di 20 ± 1 secondo la norma UNI 10286.  
 Test carried out using limpid water at 20 ± 1 according to UNI 10286 standard.

# IDROCICLONE ALFA TURBO 3"

**Attacchi disponibili - Available connections**

Raccordi scanalati Alfarapid / Grooved Fittings Alfarapid : ø 3"  
BSB (Gas) ø 3"  
NPT 3"



- 1 Sistema di chiusura con fasce di serraggio in PACV  
Tightening system PAGF clamp
- 2 Gancio di chiusura in acciaio Inox  
Stainless Steel Lock
- 3 Supporti  
Supports

Max Flow recommended: 50 m<sup>3</sup>/h  
Portata massima consigliata: (220.2 gal/min)

**Capacità Filtrante / Filtering capacity:**

Particelle / Particles: >70 micron  
Peso specifico / Specific weight: ≥ 2.5 Kg/dm<sup>3</sup>  
Efficienza di filtrazione / Efficiency: >80%

**Range Temperature**

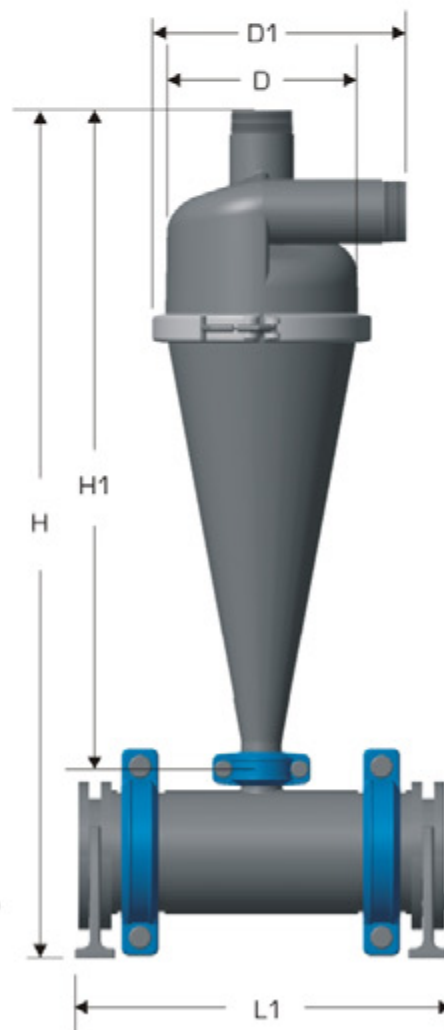
-10 °C + 95 °C



**Materiali - Materials**

Corpo e tappo: PACV stabilizzato UV  
Serbatoio di scarico: PPCV stabilizzato UV  
Fascia di chiusura: PACV stabilizzato UV  
Gancio di chiusura: Acciaio Inox AISI 304  
Giunti: PACV stabilizzato UV  
Guarnizioni: Gomma Nitrilica (NBR Standard)  
Bulloni: Acciaio Zincato / Acciaio Inox AISI 304 (su richiesta).

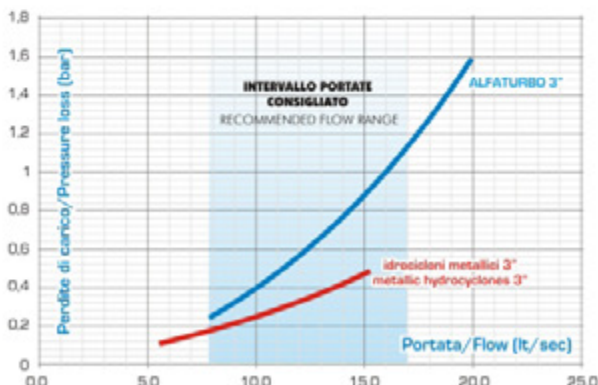
Body and Cap : PAGF UV stabilized  
Bleed tank : PPGF UV stabilized  
Clamp: PAGF UV stabilized  
Stainless Steel Lock: SS AISI 304  
Joint : PAGF UV stabilized  
O-ring : Nitrile Rubber (NBR Standard)  
Bolts : Galvanized Steel / Stainless Steel AISI 304 (upon request).



**IDROCICLONE ø 3"**

PORTATA Flow			PERDITA DI CARICO Pressure Loss		
lt/sec	mc/h	gal/min	bar	PSI	mt
7.8	28.1	123.5	0.24	3.5	2.45
8.3	29.9	131.4	0.28	4.1	2.88
9.4	33.8	148.8	0.34	4.9	3.47
10.0	36.0	158.3	0.42	6.1	4.28
11.0	39.6	174.2	0.48	7.0	4.90
12.0	43.2	190.0	0.56	8.1	5.71
13.0	46.8	205.8	0.66	9.6	6.73
14.0	50.4	221.7	0.78	11.3	7.96
15.0	54.0	237.5	0.90	13.1	9.18
16.0	57.6	253.2	1.02	14.8	10.40
17.0	61.2	269.2	1.14	16.5	11.63
18.0	64.8	285.0	1.28	18.6	13.06
19.0	68.4	300.8	1.42	20.6	14.48
20.0	72.0	316.7	1.60	23.2	16.32

**GRAFICO COMPARATIVO - COMPARATIVE CHART 3"**



Prove effettuate in laboratorio utilizzando acqua limpida alla temperatura di 20±1 secondo la norma UNI 10286.  
Test carried out using limpid water at 20±1 according to UNI 10286 standard.

Filature conformi alle norme / Threads complying with standard  
UNI EN 10226-1,-2, ANSI/ASME B1.20.1

H	H1	D	D1	L1	Peso/weight
115	90	27	35	51	14.5 Kg



## caratteristiche tecniche technical features

**Giunto**  
Joint: PACV nero stabilizzato UV/Black PACV UV stabilized

**Raccordi**  
Fittings: Polipropilene nero [PP] stabilizzato UV\*  
Black Polypropylene [PP] UV stabilized\*

\*eccezione/exception: AP413, AP213, AP313

**Guarnizione**  
Gasket: EPDM  
VITON (optional)

**Bulloni**  
Bolts: Acciaio galvanizzato  
Galvanized steel  
Acciaio inox A2/70 AISI 304 (su richiesta)  
Stainless Steel A2/70 AISI 304 (optional)

**Pressione max di prova [bar]**  
Maximum test pressure [bar]

1" + 2"

3" + 4"

6"

Giunto/joint : 40 bar  
Raccordi/fittings: 40 bar

Giunto/joint : 30 bar  
Raccordi/fittings: 30 bar

**Pressione di esercizio  
ammisibile PFA [PN]**  
Allowable operating pressure

PN 16

PN 10

PN 6

**Controlli e collaudi**  
Checks and tests

Aspetto/Appearance  
Caratteristiche geometriche/Geometrical Characteristics  
Marcatura/Marking  
Resistenza alla pressione interna/Resistance to internal pressure

**Conformità**  
Conformity

ISO 14236:2000, UNI 9561:2006 -ANSI/ AWWA C 606-11  
Filettature/Thread: UNI EN 10226-1,2; ANSI/ASME B1.20.1  
Dimensione tubi serie metrica [ISO]

**AR1710****Giunta ALFARAPID**

Clamp Joint  
Collier  
Collarín

Misura/Size	Materiale/Material	Scatola/Box	Euro Price
ø 1"½	PACV	65	9,57
ø 2"		50	11,22
ø 2"½		40	13,75
ø 3"		25	15,84
ø 4"		18	19,80
ø 6"		-	29,30

## RACCORDI - FITTINGS

**AR131****Manicotto**

Coupling  
Manchon  
Manguito

Misura/Size	Materiale/Material	Scatola/Box	Euro Price
ø 1"½	PP	-	1,49
ø 2"		180	1,65
ø 2"½		100	2,15
ø 3"		80	3,74
ø 4"		45	7,15

**AR132****Manicotto Ridotto**

Reducing coupling  
Manchon réduit  
Manguito reducido

Misura/Size	Materiale/Material	Scatola/Box	Euro Price
ø 2" x 1"½	PP	-	2,37
ø 2"½ x 2"		120	2,75
ø 3" x 2"		130	3,85
ø 3" x 2"½		70	3,85
ø 4" x 2"		80	7,15
ø 4" x 2"½		80	7,15
ø 4" x 3"		78	7,15

**AR151****Raccordo Filettato Maschio**

Male adaptor\*  
Raccord male  
Unión macho

Misura/Size	Materiale/Material	Scatola/Box	Euro Price
ø 1"½ x 1"½	PP	-	1,70
ø 2" x 1"½		-	1,70
ø 2" x 2"		150	1,93
ø 2"½ x 2"		120	2,26
ø 2"½ x 2"½		100	2,26
ø 3" x 2"		120	2,59
ø 3" x 2"½		84	2,59
ø 3" x 3"		72	2,59
ø 4" x 3"		48	7,81
ø 4" x 4"		30	7,81

\*Filettature NPT disponibili su richiesta  
NPT Threads available on request

**AR165****Gomito a 90°**

90° elbow  
90° Coude  
Codo 90°

Misura/Size	Materiale/Material	Scatola/Box	Euro Price
ø 1"½	PP	130	3,30
ø 2"		100	3,85
ø 2"½		50	6,93
ø 3"		30	9,96
ø 4"		18	16,12

**AR166****Gomito 90° filettato maschio**

90° male threaded elbow  
Coude à 90° fileté  
Codo 90° rosca macho

Misura/Size	Materiale/Material	Scatola/Box	Euro Price
ø 1"½	PP	-	3,50
ø 2"		-	4,07
ø 2"½		-	7,95
ø 3"		-	10,70
ø 4"	-	-	17,25

**AR141****Tee**Tee  
Té  
Te

Misura/Size	Materiale/Material	Scatola/Box	Euro Price
ø 1"½	PP	80	4,51
ø 2"		50	5,23
ø 2"½/2		35	9,63
ø 3"		24	11,50
ø 4"		12	20,35

**AR106****Tappo**Cap  
Bouchon  
Tapón

Misura/Size	Materiale/Material	Scatola/Box	Euro Price
ø 1"½		200	1,49
ø 2"		150	1,65
ø 2"½/2	PP	100	2,15
ø 3"		120	3,74
ø 4"		80	7,15

**AR213/313****Adattatore per polifusione**Socket Welding adaptor  
Adpteur à souder  
Unión polifusión

Misura/Size	Scatola/Box	Euro Price	
		PP-R AR213	PE100 AR313
ø 1"½x 50		2,12	2,12
ø 2"x 50		2,12	2,12
ø 2"x 63		2,12	2,12
ø 2"x 75		2,12	2,12
ø 2"½x 63		2,53	2,53
ø 2"½x 75		2,53	2,53
ø 3"x 75		2,86	2,86
ø 3"x 90		2,86	2,86
ø 3"x110		3,30	3,30
ø 4"x 90		8,59	8,59
ø 4"x110		8,59	8,59

**AR13FL****Adattatore Alfarapid per flangia**ALFARAPID Flange Adaptor  
Collerette pour Bride Alfarapid  
Cuello brida ALFARAPID

Misura/Size	Scatola/Box	Euro Price
ø 2" x 2"		6,30
ø 3" x 3"		9,95
ø 4" x 4"		13,10

**AR413****Adattatore per PVC**PVC adaptor  
Adpteur PVC  
Unión PVC

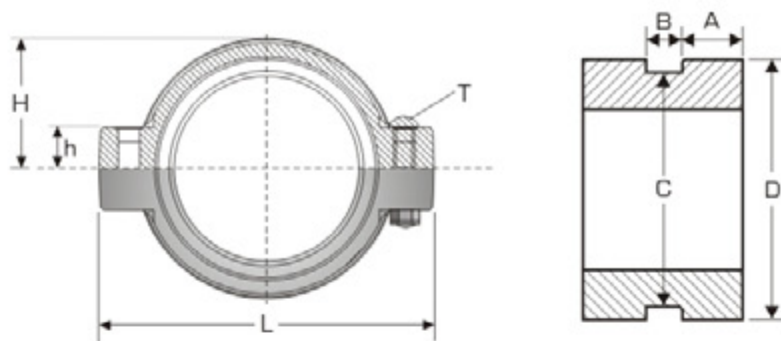
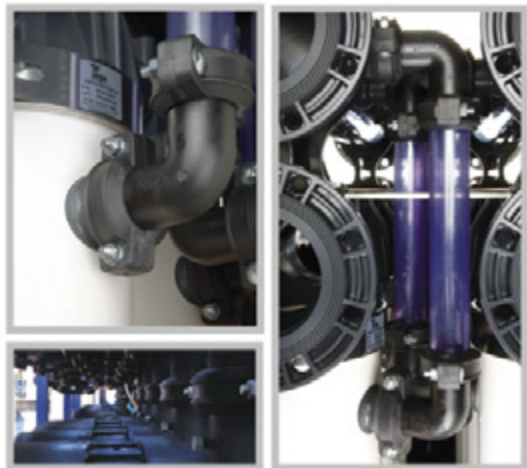
Misura/Size	Materiale/Material	Scatola/Box	Euro Price
ø 50 x 2"			3,30
ø 63 x 2"	PVC		3,85
ø 75 x 2"			6,93

**55940****Raccordo Alfarapid**Alfarapid adaptor  
Raccord Alfarapid  
Conectór Alfarapid

Misura/Size	Busta/Bag	Scatola/Box	Euro Price
ø 50 x 2"	5	50	17,57
ø 63 x 2"	-	40	20,27
ø 75 x 3"	-	24	34,00
ø 90 x 3"	-	-	42,20
ø 90 x 4"	-	12	46,15
ø 110 x 4"	-	7	68,53
ø 125 x 4"	-	-	125,35
ø 125 x 5"	-	-	130,80

**56940****Gomito Alfarapid**Alfarapid elbow  
Coude Alfarapid  
Codo Alfarapid

Misura/Size	Busta/Bag	Scatola/Box	Euro Price
ø 50 x 2"	5	50	20,75
ø 63 x 2"	-	40	24,68
ø 75 x 2"	-	24	36,38



	A	B	C	D
1"½	15.9 ±0.76	7.14 ±0.76	45.1 ±0.38	48.3 ±0.48
2"	15.9 ±0.76	7.9 ±0.76	57.1 ±0.38	60.3 ±0.61
2"½	15.9 ±0.76	8.7 ±0.76	72.3 ±0.46	76.1 ±0.74
3"	15.9 ±0.76	8.7 ±0.76	84.9 ±0.46	88.9 ±0.89
4"	15.9 ±0.76	9.5 ±0.76	110.1 ±0.51	114.3 ±1.14
6"	15.9 ±0.76	9.5 ±0.76	163.9 ±0.56	168.3 ±1.60

**Flessibilità**  
Flexibility



**Guarnizione**  
Gasket

**Giunto rapido**  
Quick joint

**Tubo**  
Pipe

**Bulloni**  
Bolts

DN		L	H	h	T
in	mm				
1"½	48.3	120	39.7	16	M10x50
2"	60.3	133	46	16	M10x50
2"½	76.1	152	56	20	M10x50
3"	88.9	174.5	62	25	M12x70
4"	114.3	199.5	78	25	M12x70
6"	168.3	281	106	28	M12x70

## SCHEMA DI MONTAGGIO - OPERATING SCHEME



Inserire completamente la guarnizione come mostrato in figura 2.  
Push the gasket completely onto the grooved connection as shown in picture 2.  
Insérer complètement le joint en caoutchouc comme montré en photo 2.  
Encajar la junta completamente en la conexión como se vea en la figura 2.

Appoggiare il raccordo da accoppiare e spingere la guarnizione posizionandola al centro delle due scanalature.  
Pull the gasket against the grooved fitting to assemble positioning it in the centre of the two grooves.  
Appuyer le raccord à accoupler et pousser le joint en caoutchouc en la positionnant au centre des deux rainures.  
Empujar la junta hacia el racor a conectar y ponerla en el centro de las dos ranuras.



Montare il giunto e inserire i bulloni nelle apposite sedi.  
Assemble the clamp joint and insert the bolts in the proper seats.  
Monter le joint et insérer les boulons dans les spéciales logements.  
Instalar el acople e inserir los tornillos

Stringere i bulloni. Non serve forzare. Il raccordo è pronto per il successivo accoppiamento.  
Tighten the nuts. No need to force. The fitting is ready.  
Serrer les boulons complètement. Il ne faut pas forcer. Le raccord est prêt pour l'accouplement suivant.  
Apretar los tuercas. No es necesario forzar. El acople está listo.

# Sistema Flangiato

## Flanged system





**FL**

**Flangia (PPCV)**

Flange (PPGF)  
Bride  
Brida

Codice/Code	Misura/Size	DN Flange	Scatola/Box	Euro Price
-500	ø 1" 1/2"	40	-	9,20
-630	ø 2"	50	50	10,80
-750	ø 2" 1/2"	65	40	13,25
-900	ø 3"	80	30	15,25
-1100	ø 4"	100	22	19,10
-1125	ø 5"	125	-	24,40
-1160	ø 6"	160	13	28,00



**13CPFF**

**Adattatore filettato per Flangia**

Threaded Flange Adaptor  
Collerette pour Bride taraudée  
Cuello brida roscado

Misura/Size	DN Flange	Scatola/Box	Euro Price
ø 2" x 2"	50	-	6,00
ø 3" x 3"	80	-	9,50
ø 4" x 4"	100	-	12,50

Disponibile anche in Versione Alfarapid: pag. 9  
Available also in "ALFARAPID" grooved type: pag. 9



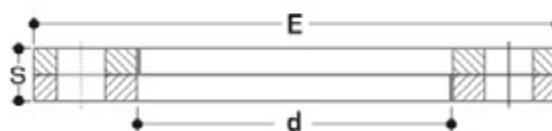
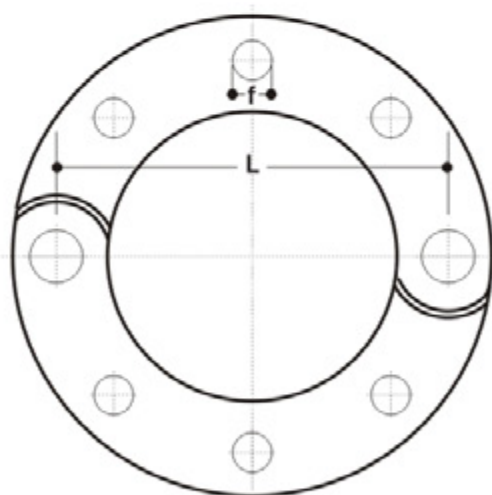
**3401**

**Guarnizione interflangia**

Flat gasket  
Joint plait  
Junta plana

Codice/Code	Misura/Size	DN	Scatola/Box	Euro Price
-500	50	40	-	1,13
-630	63	50	80	1,29
-750	75	65	50	1,68
-900	90	80	42	2,00
-1100	110	100	25	2,78
-1125	125	100	-	2,78
-1160	160	150	-	5,43

CARATTERISTICHE TECNICHE - TECHNICAL FEATURES



D	ø	E	d	L	f	N	S	PN
40	1" 1/2	152	58	110	18	4	18	16
50	2"	185	76	125	18	4	18	16
65	2" 1/2	185	90	145	18	8	20	16
80	3"	200	107	160	18	8	20	16
100	4"	220	130,5	180	18	8	24	16
125	5"	250	164,5	210	18	8	26	10
150	6"	285	184	240	22	8	28	10

CARATTERISTICHE TECNICHE - TECHNICAL FEATURES

<b>Pressione max di prova</b> Maximum test pressure	Flangia/Flange : 30 bar Raccordi/fittings: 30 bar
<b>Temperatura MAX esercizio continuo</b> Continuous working temperature	con carico 95 °C - senza carico 110 °C with load 95°C, without load 110°C.
<b>Norme di riferimento</b> Reference Standards	UNI 2223:1967, ISO 7005:1992 e DIN 16962-12:1999
<b>Controlli e Collaudi</b> Checks and tests	Aspetto/Appearance Caratteristiche geometriche/Geometrical Characteristics Marcatura/Marking Resistenza alla pressione interna/Resistance to internal pressure
<b>Materiali</b> Materials	Flangia/flange: PACV - PAGF Raccordi/fittings: PPB - Valvole/Valves: PPCV/PPGF

# Filtri a rete

## Screen Filters

### MATERIALI

MATERIAUX

**Tappo/Cap:** PPFV Nero stabilizzato UV/Black PPGF UV Stabilized

**Corpo e ghiera/Body and Nut:**  
PPFV Nero stabilizzato UV/Black PPGF UV Stabilized

**Cartuccia/Cartridge:** PP

**Rete/net:** Poliestere  
Inox (su richiesta/on request)

**Guarnizioni/Gasket:** gomma nitrilica 70 shore (NBR)/nitrile rubber 70 shore (NBR)

### TEMPERATURA MAX AMMISSIBILE

TEMPERATURE  
MAX

POLIPROPILENE 100° C.  
POLYPROPYLENE 100° C.

### PRESSIONE MASSIMA

PRESSION  
MAX DE SERVICE

8 BAR

### PRESCRIZIONI SANITARIE

PRESCRIPTIONS  
SANITAIRES

Pezzi speciali idonei al convogliamento di acqua potabile, vino, bevande e fluidi alimentari secondo le leggi e le prescrizioni valide in Italia ed in altri paesi. Conformi al D.M. 23/04/2009, D.M. 174 06/04/04 (ex D.M. 21/03/73) e Reg. UE n° 10/2011

Special pieces suitable for the conveyance of drinking water, wine, drinks and alimentary fluids according to the applicable regulations in Italy and other countries. In conformity with the Health Department Circular D.M. 23/04/2009 and D.M. 174 06/04/04 (ex D.M. 21/03/73) and Reg. UE n° 10/2011

### DIMENSIONI E CARATTERISTICHE

DIMENSIONS

I filtri a rete sono conformi alle norme /ScreenFilters are in conformity with the standard:  
UNI 10286:1994, UNI EN 10226/1,-2

# 20015



### CARATTERISTICHE FEATURES

Pressione max: 8 bar  
Superficie filtrante : 120 cm<sup>2</sup>  
Portata max consigliata:  
ø 3/4" - 80 lt/min (4,8 m<sup>3</sup>/h)  
ø 1" - 130 lt/min (7,8 m<sup>3</sup>/h)  
ø 1 1/4" - 170 lt/min (10,2 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 18,60 sq.in  
Max flow recommended:  
ø 3/4" - 21,136 gal/min  
ø 1" - 34,346 gal/min  
ø 1 1/4" - 44,914 gal/min

Codice/Code	Misura/Size	Tipo/Type	Cartuccia/Cartridge	Scatola/Box	Euro Price
-C1S	3/4" BSP (Gas)	senza scarico - without bleed	Rete poliestere Polyester net	35 C	9,85
-C1T		con tappo - with bleed plug		35 C	10,50
-C1V		con valvola - with bleed valve		35 C	11,90
-D1S	1" BSP (Gas)	senza scarico - without bleed	Rete poliestere Polyester net	35 C	9,85
-D1T		con tappo - with bleed plug		35 C	10,50
-D1V		con valvola - with bleed valve		35 C	11,90
-E1S	1" 1/4 BSP (Gas)	senza scarico - without bleed	Rete poliestere Polyester net	35 C	9,85
-E1T		con tappo - with bleed plug		35 C	10,50
-E1V		con valvola - with bleed valve		35 C	11,90

C20015-N Cartuccia RETE Poliestere - Polyester net cartridge 5,35

-ICS	3/4" BSP (Gas)	senza scarico - without bleed	Rete Inox Stainless steel net	35 C	11,50
-ICT		con tappo - with bleed plug		35 C	12,20
-ICV		con valvola - with bleed valve		35 C	13,80
-IDS	1" BSP (Gas)	senza scarico - without bleed	Rete Inox Stainless steel net	35 C	11,50
-IDT		con tappo - with bleed plug		35 C	12,20
-IDV		con valvola - with bleed valve		35 C	13,80
-IES	1" 1/4 BSP (Gas)	senza scarico - without bleed	Rete Inox Stainless steel net	35 C	11,50
-IET		con tappo - with bleed plug		35 C	12,20
-IEV		con valvola - with bleed valve		35 C	13,80

C20015-I Cartuccia Inox - Stainless steel cartridge 4,80

# 20015-A

allungato/extended



### CARATTERISTICHE FEATURES

Pressione max: 8 bar  
Superficie filtrante : 170 cm<sup>2</sup>  
Portata max consigliata:  
ø 3/4" - 90 lt/min (5,4 m<sup>3</sup>/h)  
ø 1" - 150 lt/min (9 m<sup>3</sup>/h)  
ø 1 1/4" - 180 lt/min (10,8 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 26,35 sq.in  
Max flow recommended:  
ø 3/4" - 23,78 gal/min  
ø 1" - 39,63 gal/min  
ø 1 1/4" - 47,55 gal/min

Codice/Code	Misura/Size	Tipo/Type	Cartuccia/Cartridge	Scatola/Box	Euro Price
-C2S	3/4" BSP (Gas)	senza scarico - without bleed	Rete poliestere Polyester net	22 C	11,00
-C2T		con tappo - with bleed plug		22 C	11,60
-C2V		con valvola - with bleed valve		22 C	13,10
-D2S	1" BSP (Gas)	senza scarico - without bleed	Rete poliestere Polyester net	22 C	11,00
-D2T		con tappo - with bleed plug		22 C	11,60
-D2V		con valvola - with bleed valve		22 C	13,10
-E2S	1" 1/4 BSP (Gas)	senza scarico - without bleed	Rete poliestere Polyester net	22 C	11,00
-E2T		con tappo - with bleed plug		22 C	11,60
-E2V		con valvola - with bleed valve		22 C	13,10

C20015-A Cartuccia a Rete allungata - Polyester net Extended cartridge 6,80



80 mesh



100 mesh



120 mesh



150 mesh

Filature conformi alle norme/Threads complying with standard  
UNI EN 10226-1,2; ANSI/ASME B1.20.1



# 20020



### CARATTERISTICHE FEATURES

Pressione max: 8 bar  
Superficie filtrante : 215 cm<sup>2</sup>  
Portata max consigliata:  
ø 1"1/4 - 260 lt/min (15,6 m<sup>3</sup>/h)  
ø 1"1/2 - 300 lt/min (18 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 33.33 sq.in  
Max flow recommended:  
ø 1"1/4 - 68,7 gal/min  
ø 1"1/2 - 79,26 gal/min

Codice/Code	Misura/Size	Tipo/Type	Cartuccia/Cartridge	Scatola/Box	Euro Price
-E1S	1"1/4 BSP (Gas)	senza scarico - without bleed	Rete poliestere Polyester net	25 C	14,30
-E1T		con tappo - with bleed plug		25 C	14,90
-E1V		con valvola - with bleed valve		25 C	16,10
-F2S	1"1/2 BSP (Gas)	senza scarico - without bleed	Rete poliestere Polyester net	23 C	14,30
-F2T		con tappo - with bleed plug		23 C	14,90
-F2V		con valvola - with bleed valve		23 C	16,10
-F2SN	1"1/2 NPT	senza scarico - without bleed	Rete poliestere Polyester net	23 C	14,30
-F2TN		con tappo - with bleed plug		23 C	14,90
-F2VN		con valvola - with bleed valve		23 C	16,10

C20020 Cartuccia RETE Poliestere - Polyester net cartridge 6,50

-IES	1"1/4 BSP (Gas)	senza scarico - without bleed	Rete INOX	25 C	16,50
-IET		con tappo - with bleed plug		25 C	17,20
-IEV		con valvola - with bleed valve		25 C	18,50
-IFS	1"1/2 BSP (Gas)	senza scarico - without bleed	Rete INOX	23 C	16,50
-IFT		con tappo - with bleed plug		23 C	17,20
-IFV		con valvola - with bleed valve		20 C	18,50
-IFSN	1"1/2 NPT	senza scarico - without bleed	Rete INOX	23 C	16,50
-IFTN		con tappo - with bleed plug		23 C	17,20
-IFVN		con valvola - with bleed valve		20 C	18,50

C20020-I Cartuccia Inox - Stainless steel cartridge 8,00

# 20920



### CARATTERISTICHE FEATURES

Pressione max: 8 bar  
Superficie filtrante : 527 cm<sup>2</sup>  
Portata max consigliata:  
ø 2" - 480 lt/min (28,8 m<sup>3</sup>/h)  
ø 3" - 800 lt/min (48 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 81,70 sq.in  
Max flow recommended:  
ø 2" - 126,81 gal/min  
ø 3" - 211,36 gal/min

Codice/Code	Misura/Size	Tipo/Type	Cartuccia/Cartridge	Scatola/Box	Euro Price
-G1T	2" BSP (Gas)	con tappo - with bleed plug	Rete Poliestere Polyester net	12 D	80,50
-G1V		con valvola - with bleed valve		12 D	86,50
-G1TN	2" NPT	con tappo - with bleed plug	Rete Poliestere Polyester net	12 D	80,50
-G1VN		con valvola - with bleed valve		12 D	86,50
-L2T	3" BSP (Gas)	con tappo - with bleed plug	Rete Poliestere Polyester net	10 D	80,50
-L2V		con valvola - with bleed valve		10 D	86,50
-L2TN	3" NPT	con tappo - with bleed plug	Rete Poliestere Polyester net	10 D	80,50
-L2VN		con valvola - with bleed valve		10 D	86,50

C20920 Cartuccia - cartridge PP ø 2" - ø 3" 38,75

-IGT	2" BSP (Gas)	con tappo - with bleed plug	Rete Inox Stainless steel net	12 D	92,60
-IGV		con valvola - with bleed valve		12 D	99,50
-IGTN	2" NPT	con tappo - with bleed plug	Rete Inox Stainless steel net	12 D	92,60
-IGVN		con valvola - with bleed valve		12 D	99,50
-ILT	3" BSP (Gas)	con tappo - with bleed plug	Rete Inox Stainless steel net	10 D	92,60
-ILV		con valvola - with bleed valve		10 D	99,50
-ILTn	3" NPT	con tappo - with bleed plug	Rete Inox Stainless steel net	10 D	92,60
-ILVN		con valvola - with bleed valve		10 D	99,50

C20920-I Cartuccia Inox - Inox cartridge PP ø 2" - ø 3" 58,15

Fillettature conformi alle norme/Threads complying with standard  
UNI EN 10226-1,-2; ANSI/ASME B1.20.1

# 20025



### CARATTERISTICHE FEATURES

Pressione max: 8 bar  
Superficie filtrante : 340 cm<sup>2</sup>  
Portata max consigliata:  
ø 1 1/2 - 400 lt/min (24 m<sup>3</sup>/h)  
ø 2" - 430 lt/min (25,8 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 52,70 sq.in  
Max flow recommended:  
ø 1 1/2 - 105,7 gal/min  
ø 2" - 113,6 gal/min

Codice/Code	Misura/Size	Tipo/Type	Cartuccia/Cartridge	Scatola/Box	Euro Price
-F1S	1 1/2 BSP (Gas)	senza scarico - without bleed	Rete poliestere Polyester net	23 D	32,20
-F1T		con tappo - with bleed plug		23 D	32,80
-F1V		con valvola - with bleed valve		23 D	34,00
-F1SN	1 1/2 NPT	senza scarico - without bleed	Rete poliestere Polyester net	23 D	32,20
-F1TN		con tappo - with bleed plug		23 D	32,80
-F1VN		con valvola - with bleed valve		23 D	34,00
-G2S	2" BSP (Gas)	senza scarico - without bleed	Rete poliestere Polyester net	23 D	32,20
-G2T		con tappo - with bleed plug		23 D	32,80
-G2V		con valvola - with bleed valve		23 D	34,00
-G2SN	2" NPT	senza scarico - without bleed	Rete poliestere Polyester net	23 D	32,20
-G2TN		con tappo - with bleed plug		23 D	32,80
-G2VN		con valvola - with bleed valve		23 D	34,00

C20025 Cartuccia RETE Nylon 11,90

-IFS	1 1/2 BSP (Gas)	senza scarico - without bleed	Rete Inox Stainless steel net	23 D	36,70
-IFT		con tappo - with bleed plug		23 D	37,80
-IFV		con valvola - with bleed valve		23 D	38,70
-IFSN	1 1/2 NPT	senza scarico - without bleed	Rete Inox Stainless steel net	23 D	36,70
-IFTN		con tappo - with bleed plug		23 D	37,80
-IFVN		con valvola - with bleed valve		23 D	38,70
-IGS	2" BSP (Gas)	senza scarico - without bleed	Rete Inox Stainless steel net	23 D	36,70
-IGT		con tappo - with bleed plug		23 D	37,80
-IGV		con valvola - with bleed valve		23 D	38,70
-IGSN	2" NPT	senza scarico - without bleed	Rete Inox Stainless steel net	23 D	36,70
-IGTN		con tappo - with bleed plug		23 D	37,80
-IGVN		con valvola - with bleed valve		23 D	38,70
-IGSV	2" ALFARAPID	senza scarico - without bleed	Rete Inox Stainless steel net	23 D	36,70
-IGTV		con tappo - with bleed plug		23 D	37,80
-IGVV		con valvola - with bleed valve		23 D	38,70

C20025-I Cartuccia RETE INOX - Stainless steel cartridge 10,10



80 mesh



100 mesh



120 mesh



150 mesh



### CARATTERISTICHE FEATURES

Pressione max: 8 bar  
Superficie filtrante : 635 cm<sup>2</sup>  
Portata max consigliata:  
ø 2" - 580 lt/min (34,8 m<sup>3</sup>/h)  
ø 3" - 790 lt/min (47,4 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 98,43 sq.in  
Max flow recommended:  
ø 2" - 153,2 gal/min  
ø 3" - 208,7 gal/min

# 20540

## Monocorpo Allungato Extended Single body

Codice/Code	Misura/Size	Cartuccia/Cartridge	Scatola/Box	Euro Price
- IG - IGN - IGV	2" BSP (Gas) 2" NPT 2" ALFARAPID	Rete INOX Stainless steel net	MA	130,00
- IVG - IVGN - IVGV	2" BSP (Gas) 2" NPT 2" ALFARAPID	Con valvola - Rete INOX With valve - Stainless steel net	MA	145,00
- IL - ILN - ILV	3" BSP (Gas) 3" NPT 3" ALFARAPID	Rete INOX Stainless steel net	MA	130,00
- IVL - IVLN - IVLV	3" BSP (Gas) 3" NPT 3" ALFARAPID	Con valvola - Rete INOX With valve - Stainless steel net	MA	145,00

Filettature conformi alle norme/Threads complying with standard  
UNI EN 10226-1,2; ANSI/ASME B1.20.1

20550



**CARATTERISTICHE**  
FEATURES

Pressione max: 8 bar  
Superficie filtrante : 1270 cm<sup>2</sup>  
Portata max consigliata:  
ø 3" - 1020 lt/min (61,2 m<sup>3</sup>/h)  
ø 4" - 1200 lt/min (72 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 196,88 sq.in  
Max flow recommended:  
ø 3" - 269,45 gal/min  
ø 4" - 317 gal/min

**Doppiocorpo Allungato**  
Extended Twin body

Codice/Code	Misura/Size	Cartuccia/Cartridge	Scatola/Box	Euro Price
- IL - ILN - ILV	3" BSP (Gas) 3" NPT 3" ALFARAPID	Rete INOX Stainless steel net	MA	23 1,00
- IVL - IVLN - IVLV	3" BSP (Gas) 3" NPT 3" ALFARAPID	Con valvola - Rete INOX With valve - Stainless steel net	MA	267,75
- IM - IMN - IMV	4" BSP (Gas) 4" NPT 4" ALFARAPID	Rete INOX Stainless steel net	MA	23 1,00
- IVM - IVMN - IVMV	4" BSP (Gas) 4" NPT 4" ALFARAPID	Con valvola - Rete INOX With valve - Stainless steel net	MA	267,75
C20540-I	Cartuccia INOX allungata - Extended stainless steel cartridge			78,50



Filettature conformi alle norme/Threads complying with standard  
UNI EN 10226-1,-2; ANSI/ASME B1.20.1

**CARATTERISTICHE CARTUCCE A RETE - NET CARTRIDGE TECHNICAL FEATURES**

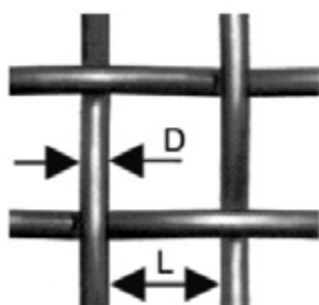


**rete poliestere - polyester net**

Mesh	Materiale Material	Diametro filo Wire diameter (µm)	Apertura maglia Mesh opening (µm)	A%*
80	polyester	121	200	39
100	polyester	83	175	46
120	polyester	86	135	37,5
150	polyester	77	100	32

**rete inox - stainless steel net**

Mesh	Materiale Material	Diametro filo Wire diameter (µm)	Apertura maglia Mesh opening (µm)	A%*
80	AISI 304	120	200	39
100	AISI 304	100	175	40
120	AISI 304	80	135	39
150	AISI 304	63	100	38



\* Rapporto % tra la superficie delle aperture e la superficie totale della rete  
\* Percentage ratio between mesh opening area and mesh total area

GRAFICO PERDITA DI CARICO

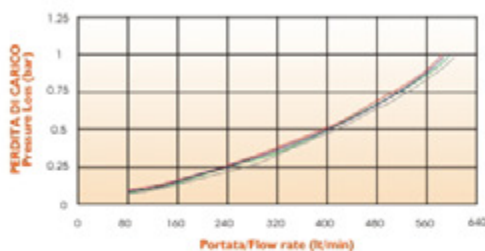
PRESSURE LOSS GRAPH - COURBES PERTE DE CHARGE - GRAFICO PERDIDA DE CARGA

ART. 20025

Ø 1" 1/2

Pressione Max : 8 bar  
Portata Max consigliata : 400 lt/min (24 m<sup>3</sup>/h)  
Superficie filtrante : 340 cm<sup>2</sup>

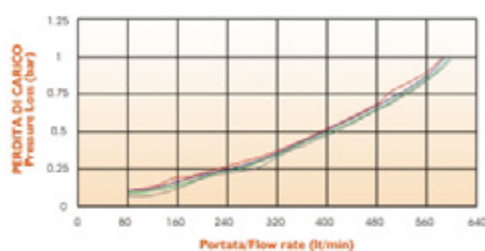
Max Pressure : 116 psi  
Max Flow recommended : 105.7 gal/min  
Filtering area : 57.70 sq.in



2"

Pressione Max : 8 bar  
Portata Max consigliata : 430 lt/min (3.40 m<sup>3</sup>/h)  
Superficie filtrante : 340 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 113.6 gal/min  
Filtering area : 52.70 sq.in

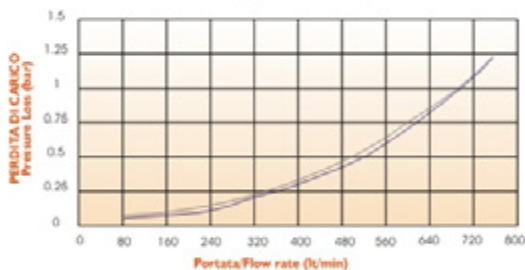


ART. 20920

PP CARTRIDGE Ø 2"

Pressione Max : 8 bar  
Portata Max consigliata : 480 lt/min (28.8 m<sup>3</sup>/h)  
Superficie filtrante : 527 cm<sup>2</sup>

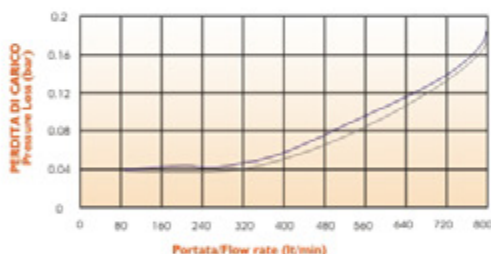
Max Pressure : 116 psi  
Max Flow recommended : 126.81 gal/min  
Filtering area : 81.70 sq.in



PP CARTRIDGE Ø 3"

Pressione Max : 8 bar  
Portata Max consigliata : 800 lt/min (48 m<sup>3</sup>/h)  
Superficie filtrante : 527 cm<sup>2</sup>

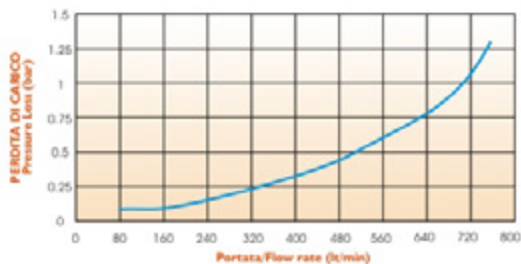
Max Pressure : 116 psi  
Max Flow recommended : 211.36 gal/min  
Filtering area : 81.70 sq.in



Inox CARTRIDGE Ø 2"

Pressione Max : 8 bar  
Portata Max consigliata : 480 lt/min (28.8 m<sup>3</sup>/h)  
Superficie filtrante : 527 cm<sup>2</sup>

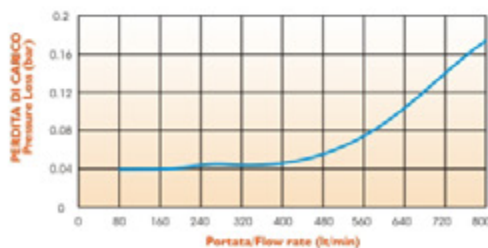
Max Pressure : 116 psi  
Max Flow recommended : 126.81 gal/min  
Filtering area : 81.70 sq.in



Inox CARTRIDGE Ø 3"

Pressione Max : 8 bar  
Portata Max consigliata : 800 lt/min (48 m<sup>3</sup>/h)  
Superficie filtrante : 527 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 211.36 gal/min  
Filtering area : 81.70 sq.in



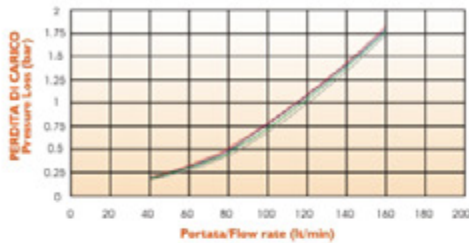
**GRAFICO PERDITA DI CARICO**  
PRESSURE LOSS GRAPH - COURBES PERTE DE CHARGE - GRAFICO PERDIDA DE CARGA

**ART. 20015**

Ø 3/4"

Pressione Max : 8 bar  
Portata Max consigliata : 80 lt/min (4.8 m<sup>3</sup>/h)  
Superficie filtrante : 120 cm<sup>2</sup>

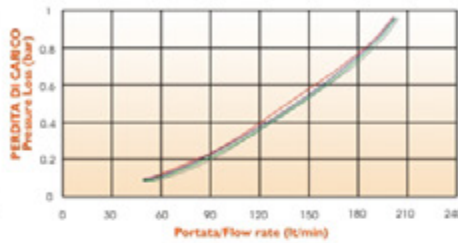
Max Pressure : 116 psi  
Max Flow recommended : 21.136 gal/min  
Filtering area : 18.60 sq.in



Ø 1"

Pressione Max : 8 bar  
Portata Max consigliata : 80 lt/min (4.8 m<sup>3</sup>/h)  
Superficie filtrante : 120 cm<sup>2</sup>

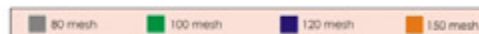
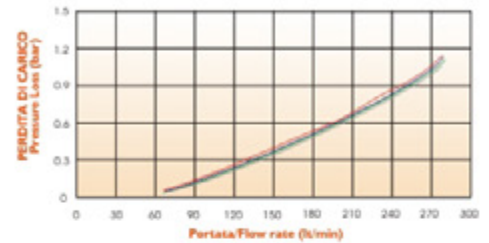
Max Pressure : 116 psi  
Max Flow recommended : 21.136 gal/min  
Filtering area : 18.60 sq.in



Ø 1" 1/4

Pressione Max : 8 bar  
Portata Max consigliata : 170 lt/min (10.2 m<sup>3</sup>/h)  
Superficie filtrante : 120 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 44.914 gal/min  
Filtering area : 18.60 sq.in

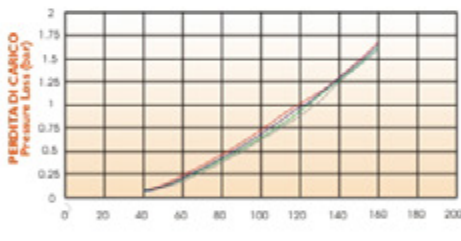


**ART. 20015-A**

Ø 3/4"

Pressione Max : 8 bar  
Portata Max consigliata : 90 lt/min (5.4 m<sup>3</sup>/h)  
Superficie filtrante : 170 cm<sup>2</sup>

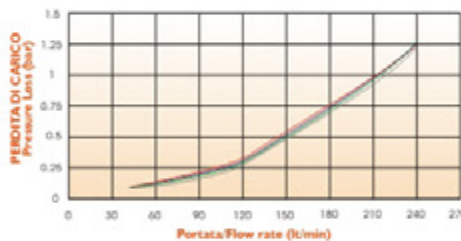
Max Pressure : 116 psi  
Max Flow recommended : 23.78 gal/min  
Filtering area : 26.35 sq.in



Ø 1"

Pressione Max : 8 bar  
Portata Max consigliata : 150 lt/min (9 m<sup>3</sup>/h)  
Superficie filtrante : 170 cm<sup>2</sup>

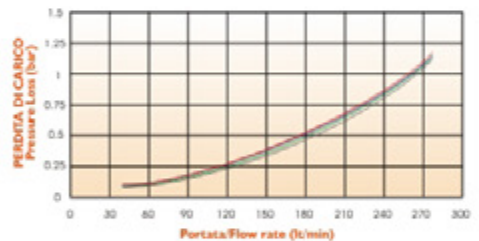
Max Pressure : 116 psi  
Max Flow recommended : 39.63 gal/min  
Filtering area : 26.35 sq.in



Ø 1" 1/4

Pressione Max : 8 bar  
Portata Max consigliata : 180 lt/min (10.8 m<sup>3</sup>/h)  
Superficie filtrante : 170 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 47.55 gal/min  
Filtering area : 26.35 sq.in

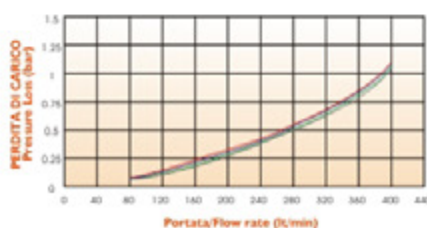


**ART. 20020**

Ø 1" 1/4

Pressione Max : 8 bar  
Portata Max consigliata : 260 lt/min (15.6 m<sup>3</sup>/h)  
Superficie filtrante : 215 cm<sup>2</sup>

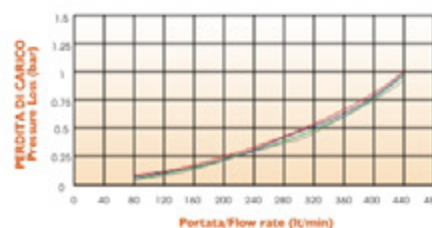
Max Pressure : 116 psi  
Max Flow recommended : 68.7 gal/min  
Filtering area : 33.33 sq.in



1" 1/2

Pressione Max : 8 bar  
Portata Max consigliata : 300 lt/min (18 m<sup>3</sup>/h)  
Superficie filtrante : 215 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 79.26 gal/min  
Filtering area : 33.33 sq.in



Flow reference in laboratory utilization: acqua limpida alla temperatura di 20 ± 1 secondo la norme UNI 10288. Per i dati di dettaglio visitate il sito www.plasticalfa.it

# Filtri a dischi

## Disk Filters

### MATERIALI

MATERIAUX

**Tappo/Cap:** PPFV Nero stabilizzato UV/Black PPGF UV Stabilized  
**Corpo/Body:** PPFV Nero stabilizzato UV/Black PPGF UV Stabilized  
**Ghiera/Nut :** PA nera caricato vetro stabilizzato UV  
Black PA UV stabilized  
**Ghiera Pressadischi/Pressing nut:** PP  
**Cartuccia/Cartridge:** PP  
**Dischi/Disk:** PE  
**Prolunga/Extension:** PPFV/PPGF  
**Guarnizioni/Gasket:** gomma nitrilica 70 shore (NBR)/nitrile rubber 70 shore (NBR)

### TEMPERATURA

**MAX AMMISSIBILE**  
TEMPERATURE  
MAX

POLIPROPILENE 100° C.  
POLYPROPYLENE 100° C.

### PRESSIONE MASSIMA

PRESSION  
MAX DE SERVICE

**Filtri a Dischi/Disk filters:** 8 BAR  
**Filtri Autopulenti/Self cleaning filters:** 10 BAR  
Massima pressione d'esercizio alla temperatura di 20° C  
Maximum working pressure at the temperature of 20° C

### PRESCRIZIONI

**SANITARIE**  
PRESCRIPTIONS  
SANITAIRES

Pezzi speciali idonei al convogliamento di acqua potabile, vino, bevande e fluidi alimentari secondo le leggi e le prescrizioni valide in Italia ed in altri paesi. Conformi al D.M. 23/04/2009, D.M. 174 06/04/04 (ex D.M. 21/03/73) e Reg. UE n° 10/2011  
Special pieces suitable for the conveyance of drinking water, wine, drinks and alimentary fluids according to the applicable regulations in Italy and other countries. In conformity with the Health Department Circular D.M. 23/04/2009 and D.M. 174 06/04/04 (ex D.M. 21/03/73) and Reg. UE n° 10/2011

### DIMENSIONI E

**CARATTERISTICHE**  
DIMENSIONS

I filtri a dischi sono conformi alle norme/Disk Filters are in conformity with the standard  
UNI 10286:1994, UNI EN 10226/1,-2




## 20015-D

### CARATTERISTICHE FEATURES

Pressione max: 8 bar  
Superficie filtrante : 184,5 cm<sup>2</sup>  
Portata max consigliata:  
ø 3/4" - 90 lt/min (5,4 m<sup>3</sup>/h)  
ø 1" - 140 lt/min (8,4 m<sup>3</sup>/h)  
ø 1 1/4" - 180 lt/min (10,8 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 28.6 sq.in  
Max flow recommended:  
ø 3/4" - 23,775 gal/min  
ø 1" - 37 gal/min  
ø 1 1/4" - 47,55 gal/min

Codice/Code	Misura/Size	Tipo/Type	Cartuccia/Cartridge	Scatola/Box	Euro Price	
-C1S-D	3/4" BSP (Gas)	senza scarico without bleed	Dischi Disks  120 mesh	40 C	14,30	
-D1S-D	1" BSP (Gas)			40 C		
-E1S-D	1 1/4" BSP (Gas)			35 C		
C20015-D					Cartuccia a dischi - Disks cartridge	9,45



## 20025-D

### CARATTERISTICHE FEATURES

Pressione max: 8 bar  
Superficie filtrante : 490 cm<sup>2</sup>  
Portata max consigliata:  
ø 1 1/2" - 460 lt/min (27,6 m<sup>3</sup>/h)  
ø 2" - 500 lt/min (30 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 75.95 sq.in  
Max flow recommended:  
ø 1 1/2" - 121 gal/min  
ø 2" - 132,1 gal/min

Codice/Code	Misura/Size	Tipo/Type	Cartuccia/Cartridge	Scatola/Box	Euro Price	
-F1S-D	1 1/2" BSP (Gas)	senza scarico without bleed	Dischi Disks  120 mesh	23 C	38,65	
-F1SN-D	1 1/2" NPT			23 C		
-G2S-D	2" BSP (Gas)			23 C		
-G2SN-D	2" NPT			23 C		
C20025-D					Cartuccia a dischi - Disks cartridge	18,90





## 20535

**Monocorpo**  
Single body

### CARATTERISTICHE FEATURES

Pressione max: 8 bar  
Superficie filtrante : 878 cm<sup>2</sup>  
Portata max consigliata:  
ø 2" - 530 lt/min (31,8 m<sup>3</sup>/h)  
ø 3" - 715 lt/min (42,9 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 136 sq.in  
Max flow recommended:  
ø 1 1/2" - 140 gal/min  
ø 2" - 188,88 gal/min

Codice/Code	Misura/Size	Cartuccia/Cartridge	Scatola/Box	Euro Price
- GTC	2" BSP (Gas)	Dischi disks	1 MN	178,50
- GTCN	2" NPT			
- GTCV	2" ALFARAPID			
- LTC	3" BSP (Gas)			
- LTCN	3" NPT	Dischi  disks <b>VORTIX</b>	1 MN	194,20
- LTCV	3" ALFARAPID			
- XG	2" BSP (Gas)			
- XGN	2" NPT			
- XGV	2" ALFARAPID	Dischi  disks <b>VORTIX</b>	1 MN	194,20
- XL	3" BSP (Gas)			
- XLN	3" NPT			
- XLV	3" ALFARAPID			

 75 mesh  
200 micron

 120 mesh  
130 micron

 150 mesh  
100 micron

Flettature conformi alle norme/Threads complying with standard  
UNI EN 10226-1,-2; ANSI/ASME B1.20.1



**CARATTERISTICHE  
FEATURES**

Pressione max: 8 bar  
Superficie filtrante : 1245 cm<sup>2</sup>  
Portata max consigliata:  
ø 2" - 580 lt/min (34,8 m<sup>3</sup>/h)  
ø 3" - 790 lt/min (47,4 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 193 sq.in  
Max flow recommended:  
ø 2" - 153,2 gal/min  
ø 3" - 208,7 gal/min

**20540**

**Monocorpo Allungato**  
Extended Single body

Codice/Code	Misura/Size	Cartuccia/Cartridge	Scatola/Box	Euro Price
- GTL - GTLN - GTLV	2" BSP (Gas) 2" NPT 2" ALFARAPID	Dischi disks	1 MA	189,00
- LTL - LTLN - LTLV	3" BSP (Gas) 3" NPT 3" ALFARAPID			
- XG - XGN - XGV	2" BSP (Gas) 2" NPT 2" ALFARAPID	Dischi disks <b>VORTIX</b>	1 MA	205,00
- XL - XLN - XLV	3" BSP (Gas) 3" NPT 3" ALFARAPID			



**CARATTERISTICHE  
FEATURES**

Pressione max: 8 bar  
Superficie filtrante : 1756 cm<sup>2</sup>  
Portata max consigliata:  
ø 3" - 960 lt/min (57,6 m<sup>3</sup>/h)  
ø 4" - 1140 lt/min (68,4 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 272 sq.in  
Max flow recommended:  
ø 3" - 253,6 gal/min  
ø 4" - 301,15 gal/min

**20545**

**Doppicorpo**  
Twin body

Codice/Code	Misura/Size	Cartuccia/Cartridge	Scatola/Box	Euro Price
- LTC - LTCN - LTCV	3" BSP (Gas) 3" NPT 3" ALFARAPID	Dischi disks	1 DN	283,50
- MTC - MTCN - MTCV	4" BSP (Gas) 4" NPT 4" ALFARAPID			
- XL - XLN - XLV	3" BSP (Gas) 3" NPT 3" ALFARAPID	Dischi disks <b>VORTIX</b>	1 DN	315,00
- XM - XMN - XMV	4" BSP (Gas) 4" NPT 4" ALFARAPID			
C20535				
C20535-X		Cartuccia Dischi VORTIX - Vortex disks cartridge		137,50



**CARATTERISTICHE  
FEATURES**

Pressione max: 8 bar  
Superficie filtrante : 2490 cm<sup>2</sup>  
Portata max consigliata:  
ø 3" - 1020 lt/min (61,2 m<sup>3</sup>/h)  
ø 4" - 1200 lt/min (72 m<sup>3</sup>/h)

Max pressure: 116 psi  
Filtering area: 386 sq.in  
Max flow recommended:  
ø 3" - 269,45 gal/min  
ø 4" - 317 gal/min

**20550**

**Doppicorpo Allungato**  
Extended Twin body

Codice/Code	Misura/Size	Cartuccia/Cartridge	Scatola/Box	Euro Price
- LTL - LTLN - LTLV	3" BSP 3" NPT 3" ALFARAPID	Dischi disks	1 DA	300,00
- MTL - MTLN - MTLV	4" BSP 4" NPT 4" ALFARAPID			
- XL - XLN - XLV	3" BSP 3" NPT 3" ALFARAPID	Dischi disks <b>VORTIX</b>	1 DA	350,00
- XM - XMN - XMV	4" BSP 4" NPT 4" ALFARAPID			
C20540				
C20540-X		Cartuccia Dischi VORTIX allungata - Extended Vortex disks cartridge		160,00

75 mesh  
200 micron

120 mesh  
130 micron

150 mesh  
100 micron



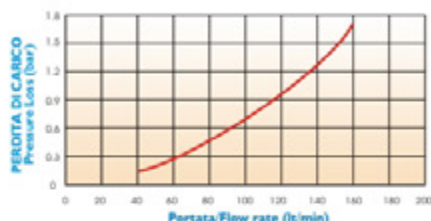
**GRAFICO PERDITA DI CARICO**  
PRESSURE LOSS GRAPH - COURBES PERTE DE CHARGE - GRAFICO PERDIDA DE CARGA

**ART. 20015-D**

**Ø 3/4"**

Pressione Max : 8 bar  
Portata Max consigliata : 90 lt/min (5,4 m<sup>3</sup>/h)  
Superficie filtrante : 184,5 cm<sup>2</sup>

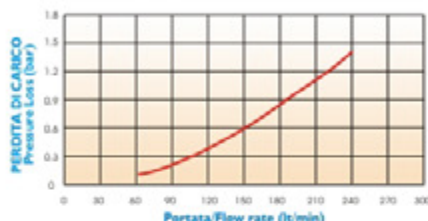
Max Pressure : 116 psi  
Max Flow recommended : 23.775 gal/min  
Filtering area : 28,6 sq.in



**Ø 1"**

Pressione Max : 8 bar  
Portata Max consigliata : 140 lt/min (8,4 m<sup>3</sup>/h)  
Superficie filtrante : 184,5 cm<sup>2</sup>

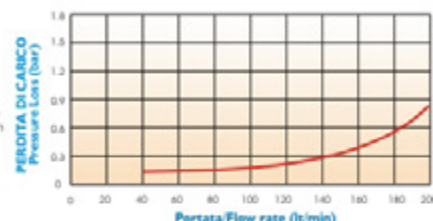
Max Pressure : 116 psi  
Max Flow recommended : 37 gal/min  
Filtering area : 28,6 sq.in



**Ø 1 1/4"**

Pressione Max : 8 bar  
Portata Max consigliata : 180 lt/min (10,8 m<sup>3</sup>/h)  
Superficie filtrante : 184,5 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 47.55 gal/min  
Filtering area : 28,6 sq.in

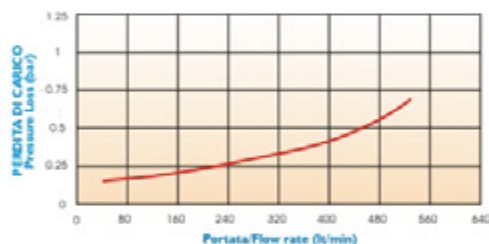


**ART. 20025-D**

**Ø 1 1/2"**

Pressione Max : 8 bar  
Portata Max consigliata : 460 lt/min (27,6 m<sup>3</sup>/h)  
Superficie filtrante : 490 cm<sup>2</sup>

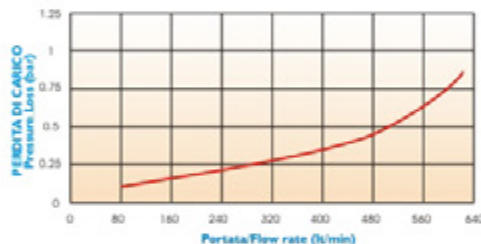
Max Pressure : 116 psi  
Max Flow recommended : 121 gal/min  
Filtering area : 75,95 sq.in



**Ø 2"**

Pressione Max : 8 bar  
Portata Max consigliata : 500 lt/min (30,0 m<sup>3</sup>/h)  
Superficie filtrante : 490 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 132.1 gal/min  
Filtering area : 75,95 sq.in



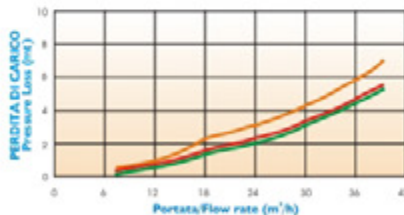
**ART. 20535**

**Ø 2"**

Single-body - Monocorpo - Mono-corps - Monocuerpo

Pressione Max : 8 bar  
Portata Max consigliata : 530 lt/min (31,8 m<sup>3</sup>/h)  
Superficie filtrante : 878 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 140 gal/min  
Filtering area : 136 sq.in

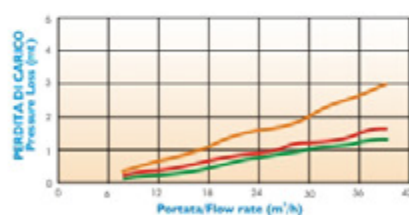


**Ø 3"**

Single-body - Monocorpo - Mono-corps - Monocuerpo

Pressione Max : 8 bar  
Portata Max consigliata : 715 lt/min (42,9 m<sup>3</sup>/h)  
Superficie filtrante : 878 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 188.88 gal/min  
Filtering area : 136 sq.in



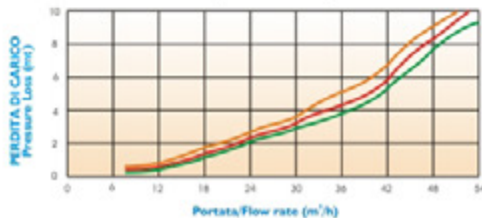
**ART. 20540**

**Ø 2"**

Mono-corps allonge - Extended single-body - Monocuerpo extendido

Pressione Max : 8 bar  
Portata Max consigliata : 580 lt/min (34,8 m<sup>3</sup>/h)  
Superficie filtrante : 1245 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 153.2 gal/min  
Filtering area : 193 sq.in

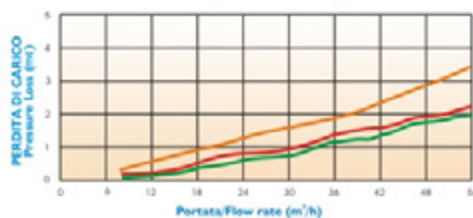


**Ø 3"**

Mono-corps allonge - Extended single-body - Monocuerpo extendido

Pressione Max : 8 bar  
Portata Max consigliata : 790 lt/min (47,4 m<sup>3</sup>/h)  
Superficie filtrante : 1245 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 208.7 gal/min  
Filtering area : 193 sq.in



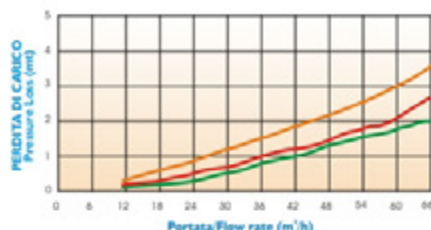
From a reference in laboratory utilizing acqua filtrata alla temperatura di 20 ± 1 secondo le norme UNI 10286. Test carried out using liquid water at 20 ± 1 according to UNI 10286 standard.

ART. 20545

Ø 3" Single-body - Monocorpo - Mono-corps - Monocuerpo

Pressione Max : 8 bar  
Portata Max consigliata : 960 lt/min (57.6 m<sup>3</sup>/h)  
Superficie filtrante : 1756 cm<sup>2</sup>

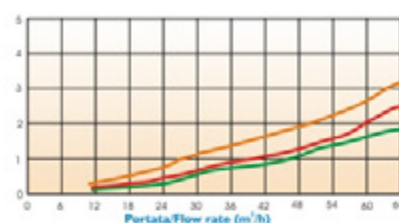
Max Pressure : 116 psi  
Max Flow recommended : 253.6 gal/min  
Filtering area : 272 sq.in



Ø 4" Single-body - Monocorpo - Mono-corps - Monocuerpo

Pressione Max : 8 bar  
Portata Max consigliata : 1140 lt/min (68.4 m<sup>3</sup>/h)  
Superficie filtrante : 1756 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 301.15 gal/min  
Filtering area : 272 sq.in

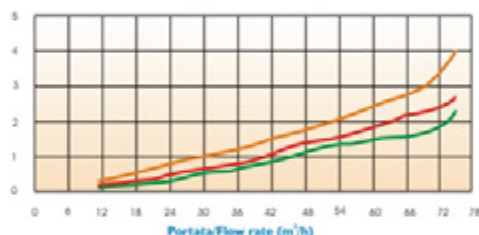


ART. 20550

Ø 3" Mono-corps allongé - Extended single-body - Monocuerpo extendido

Pressione Max : 8 bar  
Portata Max consigliata : 1020 lt/min (61.2 m<sup>3</sup>/h)  
Superficie filtrante : 2490 cm<sup>2</sup>

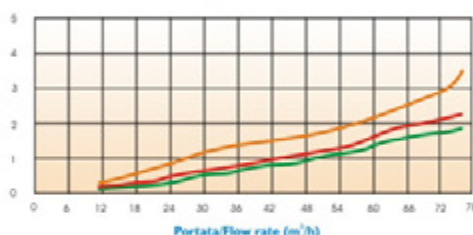
Max Pressure : 116 Psi  
Max Flow recommended : 269.45 gal/min  
Filtering area : 386 sq.in



Ø 4" Mono-corps allongé - Extended single-body - Monocuerpo extendido

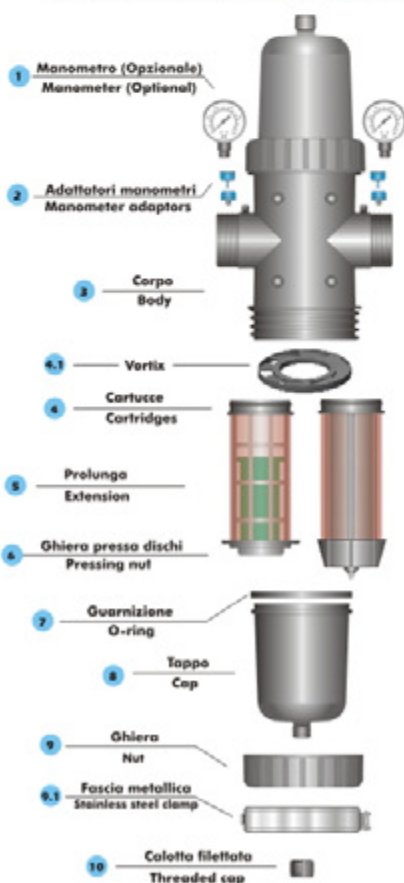
Pressione Max : 8 bar  
Portata Max consigliata : 1200 l/m (72 m<sup>3</sup>/h)  
Superficie filtrante : 2490 cm<sup>2</sup>

Max Pressure : 116 psi  
Max Flow recommended : 317 gal/min  
Filtering area : 386 sq.in



COMPONENTI

Components - Composantes - Componentes



ISTRUZIONI DI MONTAGGIO

Assembly instructions - Instrucciones d'assemblage - Instrucciones de montaje

1. Inserire la cartuccia (4) nelle apposite sedi all'interno del corpo filtro (3);
2. Inserire la guarnizione (7) sul tappo (8);
3. Adagiare il tappo (8) sul corpo (3);
4. Stringere il tappo e il corpo mediante la ghiera (9) con l'ausilio di una chiave a nastro o mediante la fascia metallica (9.1);
5. Per il controllo della pressione in entrata e in uscita utilizzare due manometri (1) opzionali, da inserire negli appositi adattatori forniti a corredo (2).

1. Insert the cartridge (4) in the proper seat inside the body (3);
2. Insert the o-ring (7) on the cap (8);
3. Put down the cap (8) with care on the body (3);
4. Tighten the cap screwing the nut (9) by a strap wrench or using the stainless steel clamp (9.1);
5. Use two manometers (1) optional - to be connected to the adaptors (2) to control the inlet and outlet pressure.

1. Insérez la cartouche (4) dans le sièges correspondants à l'intérieur du corps du filtre (3);
2. Insérez la garniture (7) sur le bouchon (8);
3. Appuyez le bouchon (8) sur le corps;
4. Serrez le bouchon et le corps au moyen de la bague (9) en utilisant une clef à feuillard ou autrement au moyen de la bande métallique (9.1).
5. Pour contrôler la pression en entrée et en sortie, utilisez deux manomètres optionnels, qui doivent être joints aux adaptateurs.

1. Encajar el cartucho(4) en los asientos apropiados dentro del cuerpo del filtro (3);
2. Encajar la junta tórica (7) en el tapón (8);
3. Poner el tapón(8) sobre el cuerpo (3);
4. Apretar el tapón y el cuerpo por medio de la tuerca(9) utilizando una llave universal o por medio de la abrasadera metálica (9.1);
5. Para controlar la presión en entrada y salida, utilizar dos manómetros (1) optional) de ponerse por medio de los adaptadores suministrados (2).

Flow efficiency in laboratory utilizing orange limpid oil temperature of 20±1 secondo la norma UNI 10286. Test carried out using limpid water at 20±1 according to UNI 10286 standard.

# Filtri autopulenti

## Self-Cleaning Filters

### MATERIALI

MATERIAUX

Tappo/Cap: PPFV Nero stabilizzato UV/Black PPGF UV Stabilized

Corpo/Body: PPFV Nero stabilizzato UV/Black PPGF UV Stabilized

Ghiera/Nut : PA nera caricata vetro stabilizzato UV  
Black PA UV stabilized

Ghiera Pressadischi/Pressing nut: PP

Cartuccia/Cartridge: PP

Dischi/Disk: PE

Prolunga/Extension: PPFV/PPGF

Guarnizioni/Gasket: gomma nitrilica 70 shore (NBR)/nitrile rubber 70 shore (NBR)

### TEMPERATURA MAX AMMISSIBILE

TEMPERATURE  
MAX

POLIPROPILENE 100° C.  
POLYPROPYLENE 100° C.

### PRESSIONE MASSIMA

PRESSION  
MAX DE SERVICE

Filtri Autopulenti/Self cleaning filters: 10 BAR  
Massima pressione d'esercizio alla temperatura di 20° C  
Maximum working pressure at the temperature of 20° C

### PRESCRIZIONI SANITARIE

PRESCRIPTIONS  
SANITAIRES

Pezzi speciali idonei al convogliamento di acqua potabile, vino, bevande e fluidi alimentari secondo le leggi e le prescrizioni valide in Italia ed in altri paesi. Conformi al D.M. 23/04/2009, D.M. 174 06/04/04 (ex D.M. 21/03/73) e Reg. UE n° 10/2011

Special pieces suitable for the conveyance of drinking water, wine, drinks and alimentary fluids according to the applicable regulations in Italy and other countries. In conformity with the Health Department Circular D.M. 23/04/2009 and D.M. 174 06/04/04 (ex D.M. 21/03/73) and Reg. UE n° 10/2011

### DIMENSIONI E CARATTERISTICHE

DIMENSIONS

I filtri a dischi sono conformi alle norme/Disk Filters are in conformity with the standard  
UNI 10286:1994, UNI EN 10226/1,-2

filtri autopulenti  
**ALFA matic**  
self-cleaning filters

20540-A

**Monocorpo Allungato**  
Extended Single body



Codice/Code	Misura/Size	Cartuccia/Cartridge	Scatola/Box	Euro Price
- G	2" BSP (Gas)	filtro autopulente <b>ALFA matic</b> self-cleaning filters Dischi <b>ALFA matic</b> disks VORTIX	1 MA	368,00
- GN	2" NPT			
- GV	2" ALFARAPID			
- L	3" BSP (Gas)	filtro autopulente <b>ALFA matic</b> self-cleaning filters Dischi <b>ALFA matic</b> disks VORTIX	1 MA	368,00
- LN	3" NPT			
- LV	3" ALFARAPID			

Ø 2"

Pressione Max : 10 bar  
 Pressione min di controlavaggio : 2,5 bar  
 Portata Max consigliata : 416,6 lt/min (25 m<sup>3</sup>/h)  
 Superficie filtrante : 1061 cm<sup>2</sup>

Max Pressure : 145 psi  
 Min. Backflushing pressure : 36,25 psi  
 Max Flow recommended : 110,03 gal/min  
 Filtering area : 164,47 sq.in

Ø 3"

Pressione Max : 10 bar  
 Pressione Min di controlavaggio : 2,5 bar  
 Portata Max consigliata : 583,3 lt/min (35 m<sup>3</sup>/h)  
 Superficie filtrante : 1061 cm<sup>2</sup>

Max Pressure : 145 psi  
 Min Backflushing pressure : 36,25 psi  
 Max Flow recommended : 154,04 gal/min  
 Filtering area : 164,47 sq.in

filtri autopulenti  
**ALFA matic**  
self-cleaning filters

20550-A

**Doppiocorpo Allungato**  
Extended Twin body



Codice/Code	Misura/Size	Cartuccia/Cartridge	Scatola/Box	Euro Price
- L	3" BSP (Gas)	filtro autopulente <b>ALFA matic</b> self-cleaning filters Dischi <b>ALFA matic</b> disks VORTIX	1 DA	441,00
- LN	3" NPT			
- LV	3" ALFARAPID			
- M	4" BSP (Gas)	filtro autopulente <b>ALFA matic</b> self-cleaning filters Dischi <b>ALFA matic</b> disks VORTIX	1 DA	441,00
- MN	4" NPT			
- MV	4" ALFARAPID			
C20540-A			Cartuccia ALFAMATIC VORTIX - Vortex Alfamatic cartridge	183,75

Ø 3"

Pressione Max : 10 bar  
 Pressione Min di controlavaggio : 2,2 bar  
 Portata Max consigliata : 720 lt/min (43.2 m<sup>3</sup>/h)  
 Superficie filtrante : 2122 cm<sup>2</sup>

Max Pressure : 145 psi  
 Min Backflushing pressure : 31.9 psi  
 Max Flow recommended : 191 gal/min  
 Filtering area : 329 sq.in

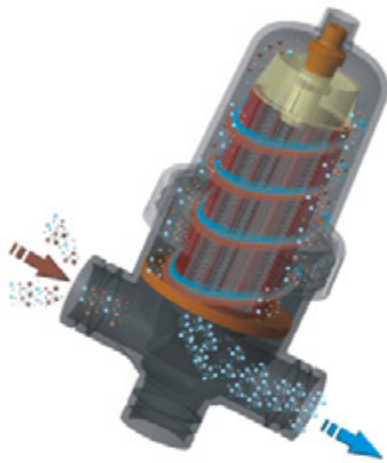
Ø 4"

Pressione Max : 10 bar  
 Pressione Min di controlavaggio : 2,2 bar  
 Portata Max consigliata : 1100 lt/min (66 m<sup>3</sup>/h)  
 Superficie filtrante : 2122 cm<sup>2</sup>

Max Pressure : 145 psi  
 Min Backflushing pressure : 31.9 psi  
 Max Flow recommended : 290.5 gal/min  
 Filtering area : 329 sq.in

**PULIZIA ALFAMATIC**

ALFAMATIC CLEANING - NETTOYAGE ALFAMATIC - LIMPIEZA ALFAMATIC



**1** **FILTRAGGIO**  
FILTERING



**2** **APERTURA CARTUCCIA**  
CARTRIDGE OPENING



**3** **CONTROLAVAGGIO**  
BACK-FLUSHING

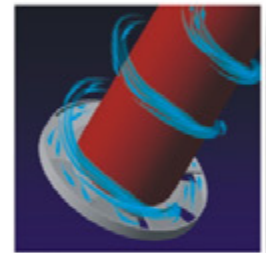


● I filtri a dischi Plastica ALFA sono anche dotati di un sistema che trasferisce all'acqua un movimento elicoidale, il nuovo Sistema VORTIX, che convoglia le impurità sulle pareti del filtro permettendo così di ridurre notevolmente il numero di lavaggi e quindi il consumo di acqua e di energia.

● Plastica Alfa disk filters are also provided with a device causing an helical movement of the water, the new Vortex system that makes the impurities deposit on the inside wall of the filter reducing this way the number of washings and consequently the waste of water and energy.

● Les filtres à disques Plastica Alfa sont doués d'un système qui induit un mouvement hélicoidal à l'eau, le nouveau Système Vortex, qui canalise aussi les impurités vers les parois du filtre en permettant de réduire considérablement la quantité des nettoyages et ainsi la dépense d'eau et d'énergie."

● Los filtros de discos Plastica ALFA también están dotados de un sistema que traslada al agua un movimiento helicoidal, el nuevo Sistema VORTIX, que convoya las impurezas sobre las paredes del filtro permitiendo así de reducir notablemente el número de lavados y por lo tanto el consumo de agua y energía.



**Tipologia cartucce - Cartridge Types**



**Cartuccia a dischi**  
Disk cartridge



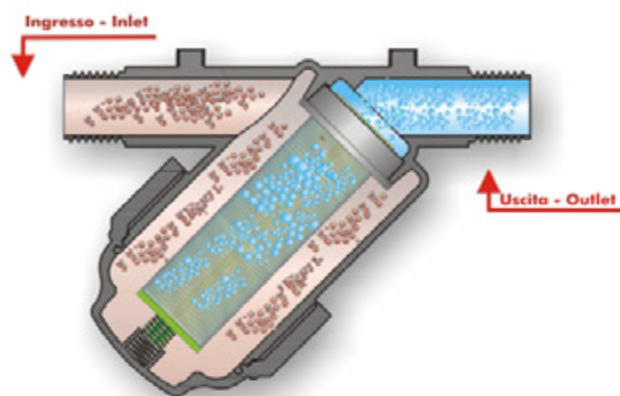
**Cartuccia a dischi Vortex**  
Disk cartridge Vortex



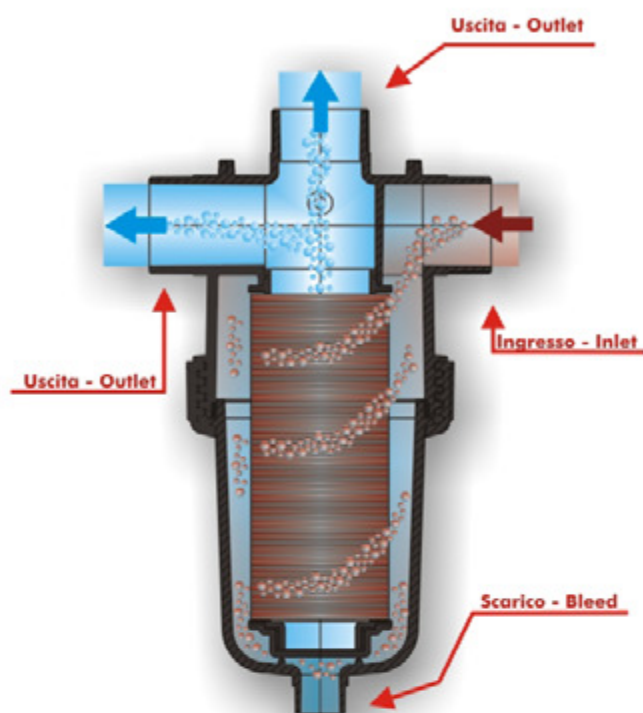
filtro autopulente  
**ALFA**  
self-cleaning filters

**Cartuccia ALFAMATIC**  
Alfamatic cartridge

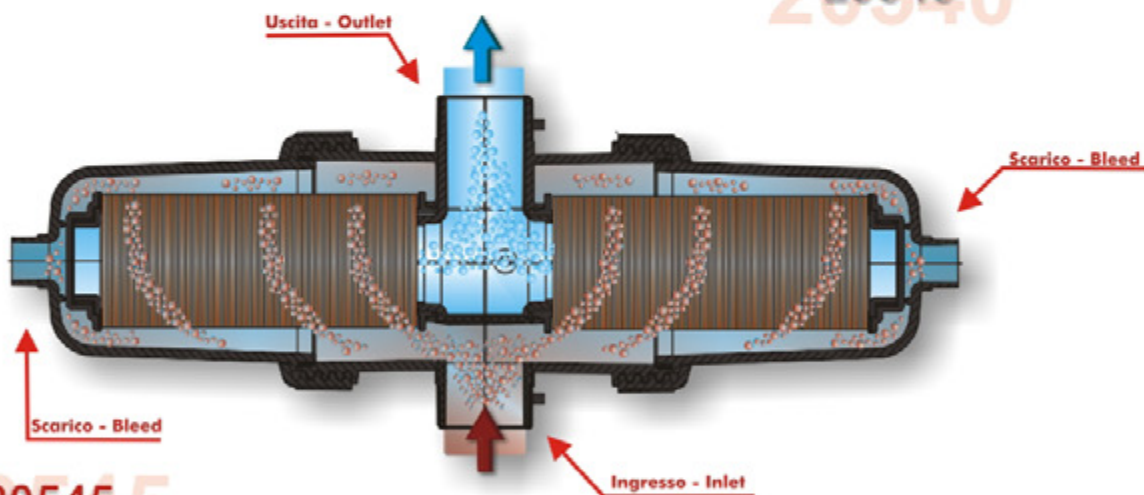
PRINCIPIO DI FUNZIONAMENTO  
OPERATING SCHEME - PRINCIPE DE FONCTIONNEMENT - PRINCIPIO DE FUNCIONAMIENTO



20015-D



20540



20545

Indice di filtrazione - Filtering rating



75 mesh  
200 micron



120 mesh  
130 micron



150 mesh  
100 micron

**Tappo**

Cap  
Bouchon  
Tapòn

Codice/Code	Tipo/Type	Euro Price
TAPPO FLTD- C	Tappo Cap	21,00

**Tappo allungato**

Extended Cap  
Bouchon allongé  
Tapon extendido

Codice/Code	Tipo/Type	Euro Price
TAPPO FLTD- L	Tappo Allungato Extended cap	25,60

**Ghiera in PP**

PP nut  
Bague PP  
Tuerca PP

Codice/Code	Euro Price
GHIERA FLTD	20,70

**Guarnizione**

O'ring  
Joint torique  
Junta tórica

Codice/Code	Tipo/Type	Euro Price
OR.174X8.25	Guarnizione O-ring	5,30

**Tappo filettato**

Cap  
Bouchon  
Tapòn

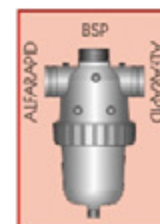
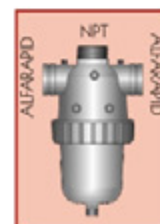
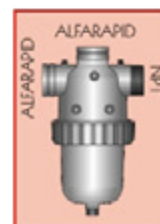
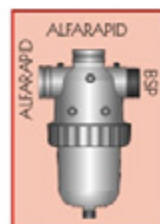
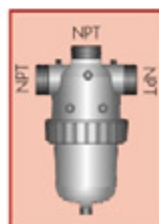
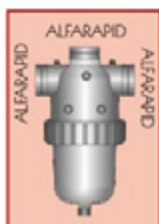
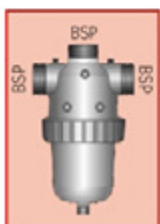
Codice/Code	Tipo/Type	Euro Price
16020-D	Calotta Filettata ø 1" Threaded Cap ø 1"	0,24
16020-G	Calotta Filettata ø 2" Threaded Cap ø 2"	1,00
16020-L	Calotta Filettata ø 3" Threaded Cap ø 3"	5,35

**Sfiato**

Codice/Code	Tipo/Type	Euro Price
SFIATO	Valvola di Sfiato Air release valve	28,30

**Manometro**

Codice/Code	Tipo/Type	Euro Price
22040	Manometro Manometer	8,90

**Attacchi disponibili - Connections available**

# Gruppi Filtranti

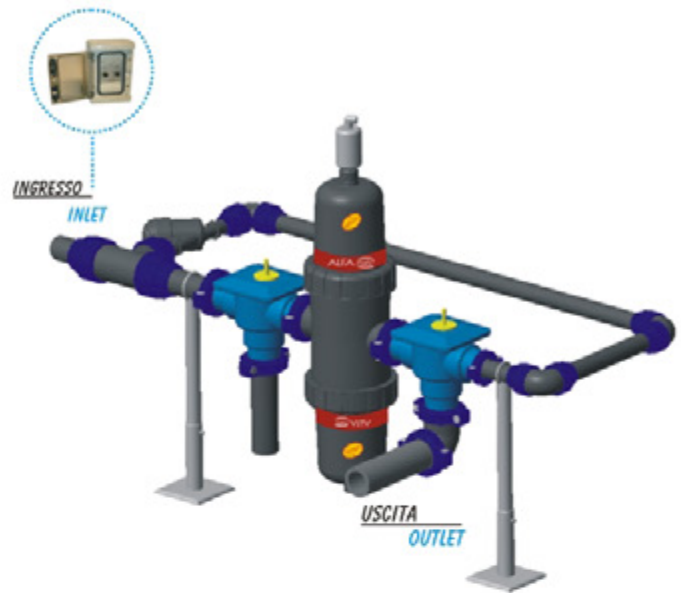
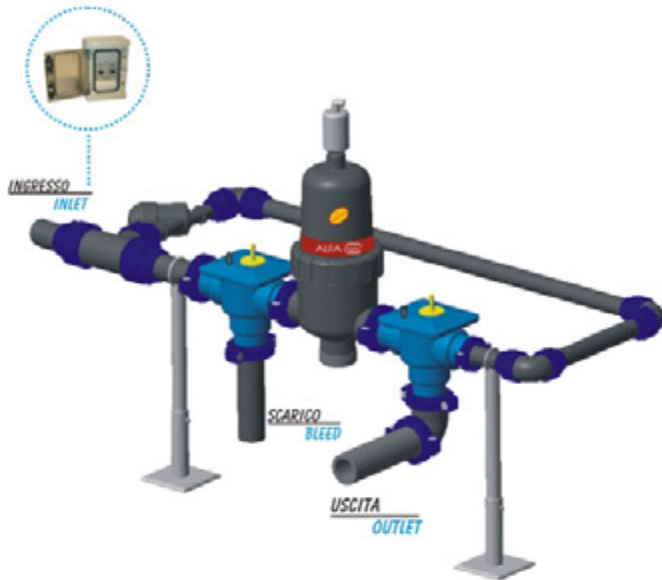
## Filtering banks





**CONTROLAVAGGIO AUTOMATICO**

AUTOMATIC BACK-FLUSHING

**Singola unità filtrante - MONOCORPO**  
Single filtering unit - SINGLE BODY**Singola unità filtrante - DOPPIOCORPO**  
Single filtering unit - TWIN BODY**SF54A****MONOCORPO - SINGLE BODY**

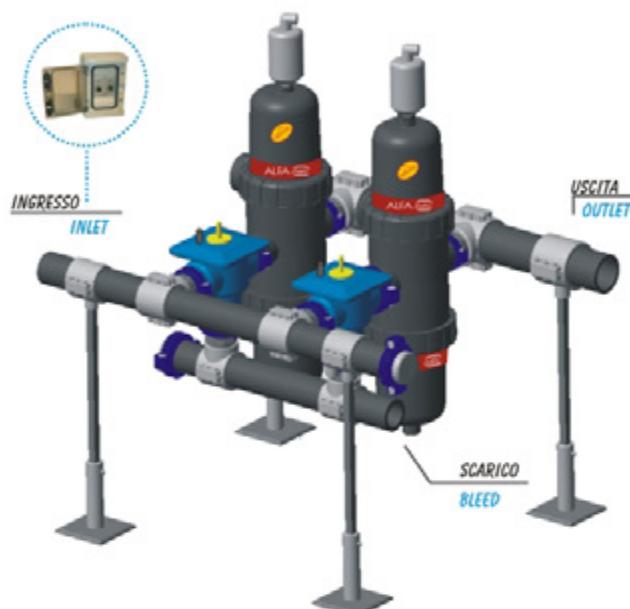
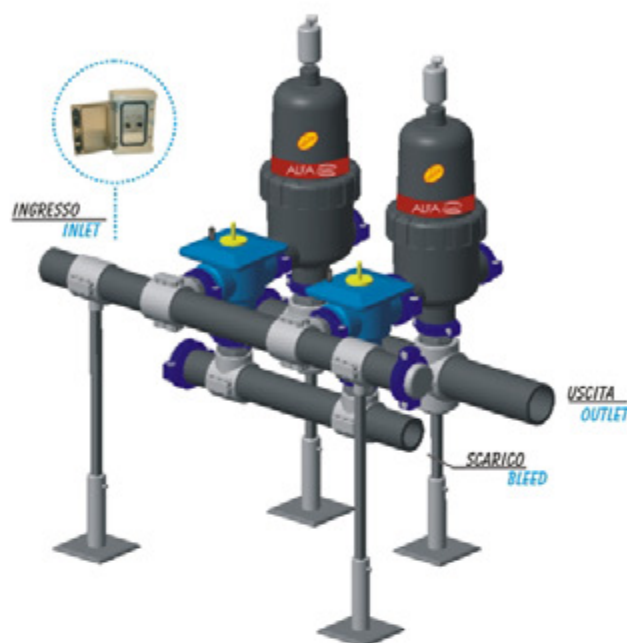
Codice/Code	Numero filtri x dimensione attacco Number of Filters for dimension	Collettore ingresso-uscita inlet-outlet collector	Scarico Bleed	Portata nominale Nominal flow rate	Euro Price
-1G120-10	1 x 2"	ø 63	ø 2"	25 m <sup>3</sup> /h	a richiesta/on request

**SF55A****DOPPIOCORPO - TWIN BODY**

Codice/Code	Numero filtri x dimensione attacco Number of Filters for dimension	Collettore ingresso-uscita inlet-outlet collector	Scarico Bleed	Portata nominale Nominal flow rate	Euro Price
-1L120-10	1 x 3"	ø 90	ø 3"	43.2 m <sup>3</sup> /h	a richiesta/on request

**CONTROLAVAGGIO AUTOMATICO**

AUTOMATIC BACK-FLUSHING

**2 o più unità filtranti - MONOCORPO**  
Multiple filtering units - SINGLE BODY**2 o più unità filtranti - DOPPIOCORPO**  
Multiple filtering units - TWIN BODY**SF54A****MONOCORPO - SINGLE BODY**

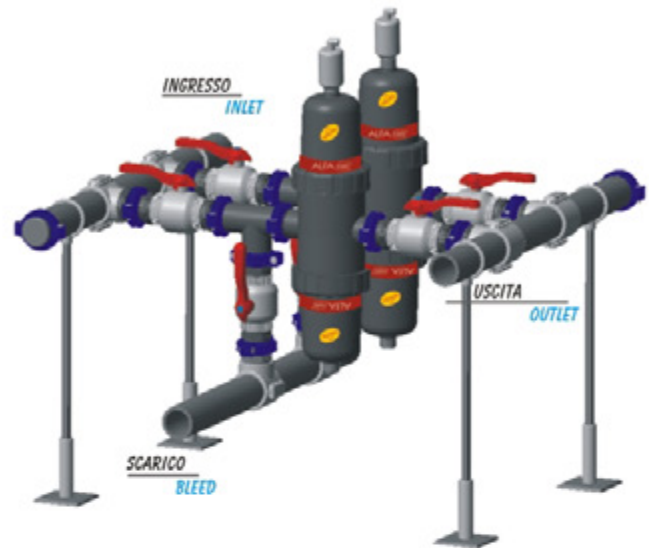
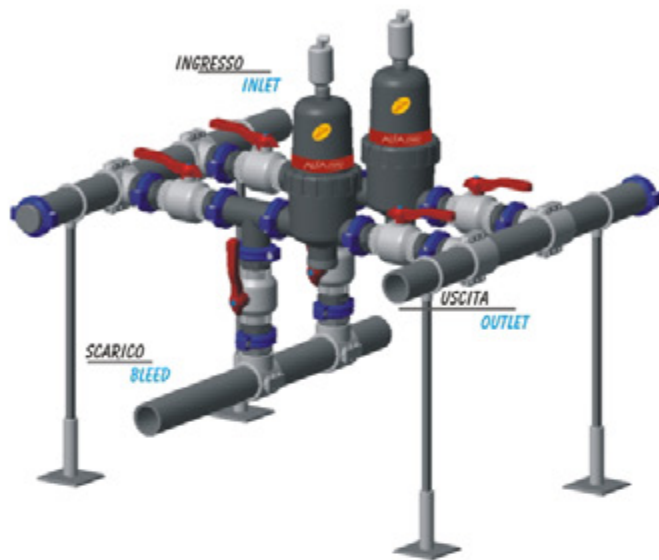
Codice/Code	Numero filtri x dimensione attacco Number of Filters for dimension	Collettore ingresso-uscita inlet-outlet collector	Scarico Bleed	Portata nominale Nominal flow rate	Euro Price
-2G120-10	2 x 2"	ø 90	ø 2"	40 m <sup>3</sup> /h	a richiesta on request
-2G120-11	2 x 2"	ø 110	ø 2"	50 m <sup>3</sup> /h	
-3G120-11	3 x 2"	ø 110	ø 2"	50 m <sup>3</sup> /h	
-3G120-12	3 x 2"	ø 125	ø 2"	70 m <sup>3</sup> /h	
-2L120-11	2 x 3"	ø 110	ø 3"	60 m <sup>3</sup> /h	
-2L120-12	2 x 3"	ø 125	ø 3"	70 m <sup>3</sup> /h	
-3L120-12	3 x 3"	ø 125	ø 3"	70 m <sup>3</sup> /h	
-3L120-13	3 x 3"	ø 140	ø 3"	100 m <sup>3</sup> /h	

**SF55A****DOPPIOCORPO - TWIN BODY**

Codice/Code	Numero filtri x dimensione attacco Number of Filters for dimension	Collettore ingresso-uscita inlet-outlet collector	Scarico Bleed	Portata nominale Nominal flow rate	Euro Price
-2L120-12	2 x 3"	ø 125	ø 3"	80 m <sup>3</sup> /h	a richiesta on request
-2L120-13	2 x 3"	ø 140	ø 3"	90 m <sup>3</sup> /h	
-3L120-13	3 x 3"	ø 140	ø 3"	90 m <sup>3</sup> /h	
-3L120-14	3 x 3"	ø 160	ø 3"	120 m <sup>3</sup> /h	
-2M120-14	2 x 4"	ø 160	ø 4"	120 m <sup>3</sup> /h	
-2M120-16	2 x 4"	ø 200	ø 4"	150 m <sup>3</sup> /h	
-3M120-16	3 x 4"	ø 200	ø 4"	150 m <sup>3</sup> /h	

**CONTROLAVAGGIO MANUALE**

MANUAL BACK-FLUSHING

**2 o più unità filtranti - MONOCORPO**  
Multiple filtering units - SINGLE BODY**2 o più unità filtranti - DOPPIOCORPO**  
Multiple filtering units - TWIN BODY**SF54M****MONOCORPO - SINGLE BODY**

Codice/Code	Numero filtri x dimensione attacco Number of Filters for dimension	Collettore ingresso-uscita inlet-outlet collector	Scarico Bleed	Portata nominale Nominal flow rate	Euro Price
-2G120-10	2 x 2"	ø 90	ø 2"	40 m <sup>3</sup> /h	a richiesta on request
-2G120-11	2 x 2"	ø 110	ø 2"	50 m <sup>3</sup> /h	
-3G120-11	3 x 2"	ø 110	ø 2"	50 m <sup>3</sup> /h	
-3G120-12	3 x 2"	ø 125	ø 2"	70 m <sup>3</sup> /h	
-2L120-11	2 x 3"	ø 110	ø 3"	60 m <sup>3</sup> /h	
-2L120-12	2 x 3"	ø 125	ø 3"	70 m <sup>3</sup> /h	
-3L120-12	3 x 3"	ø 125	ø 3"	70 m <sup>3</sup> /h	
-3L120-13	3 x 3"	ø 140	ø 3"	100 m <sup>3</sup> /h	

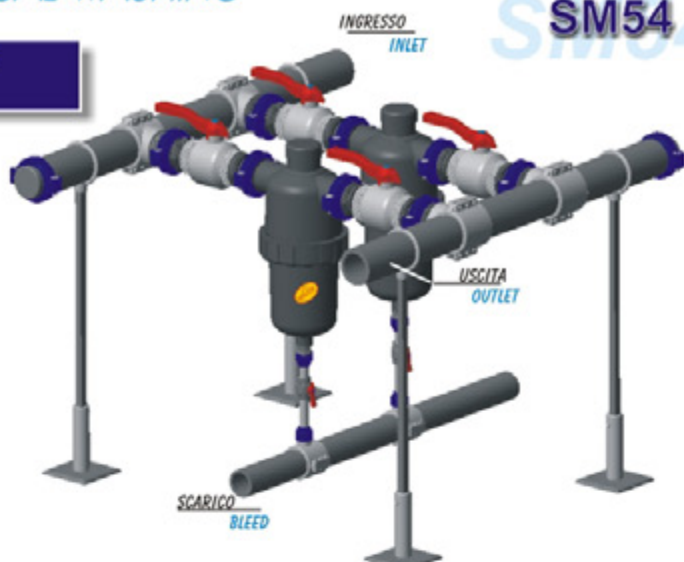
**SF55M****DOPPIOCORPO - TWIN BODY**

Codice/Code	Numero filtri x dimensione attacco Number of Filters for dimension	Collettore ingresso-uscita inlet-outlet collector	Scarico Bleed	Portata nominale Nominal flow rate	Euro Price
-2L120-12	2 x 3"	ø 125	ø 3"	80 m <sup>3</sup> /h	a richiesta on request
-2L120-13	2 x 3"	ø 140	ø 3"	90 m <sup>3</sup> /h	
-3L120-13	3 x 3"	ø 140	ø 3"	90 m <sup>3</sup> /h	
-3L120-14	3 x 3"	ø 160	ø 3"	120 m <sup>3</sup> /h	
-2M120-14	2 x 4"	ø 160	ø 4"	120 m <sup>3</sup> /h	
-2M120-16	2 x 4"	ø 200	ø 4"	150 m <sup>3</sup> /h	
-3M120-16	3 x 4"	ø 200	ø 4"	150 m <sup>3</sup> /h	

# LAVAGGIO MANUALE MANUAL WASHING

SM54

**2 o più unità filtranti - MONOCORPO**  
Multiple filtering units - SINGLE BODY



## MONOCORPO - SINGLE BODY

Codice/Code	Numero filtri x dimensione attacco Number of Filters for dimension	Collettore ingresso-uscita inlet-outlet collector	Scarico Bleed	Portata nominale Nominal flow rate	Euro Price
-2G120-10	2 x 2"	ø 90	ø 2"	40 m <sup>3</sup> /h	a richiesta on request
-2G120-11	2 x 2"	ø 110	ø 2"	50 m <sup>3</sup> /h	
-3G120-11	3 x 2"	ø 110	ø 2"	50 m <sup>3</sup> /h	
-3G120-12	3 x 2"	ø 125	ø 2"	70 m <sup>3</sup> /h	
-2L120-11	2 x 3"	ø 110	ø 3"	60 m <sup>3</sup> /h	
-2L120-12	2 x 3"	ø 125	ø 3"	70 m <sup>3</sup> /h	
-3L120-12	3 x 3"	ø 125	ø 3"	70 m <sup>3</sup> /h	
-3L120-14	3 x 3"	ø 140	ø 3"	100 m <sup>3</sup> /h	

# LAVAGGIO MANUALE MANUAL WASHING

**2 unità filtranti**  
2 filtering units

Codice/Code  
-2G120-10

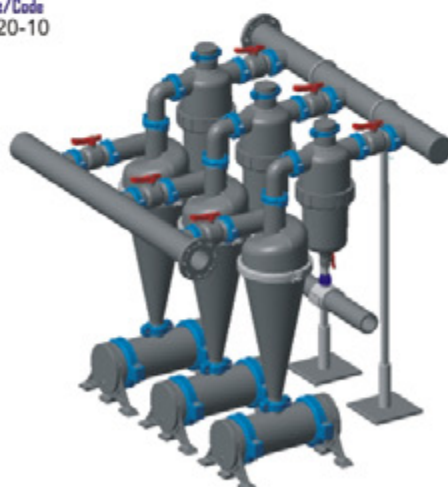


Numero filtri x dimensione attacco Number of Filters for dimension	Collettore ingresso-uscita inlet-outlet collector	Scarico Bleed	Portata nominale Nominal flow rate	Euro Price
2 x 3"	ø 3"	ø 2"	25 m <sup>3</sup> /h	a richiesta on request

# LAVAGGIO MANUALE MANUAL WASHING

**6 unità filtranti**  
6 filtering units

Codice/Code  
-2G120-10



Numero filtri x dimensione attacco Number of Filters for dimension	Collettore ingresso-uscita inlet-outlet collector	Scarico Bleed	Portata nominale Nominal flow rate	Euro Price
6 x 3"	ø 160	ø 3"	60 m <sup>3</sup> /h	a richiesta on request

## ACCESSORI - ACCESSORIES - ACCESSOIRES - ACCESORIOS

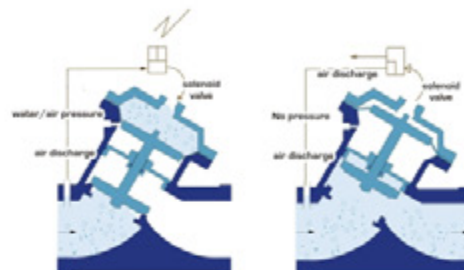
## Valvole a Y

Y Type Valve



18VMY

Codice/Code	Misura/Size	DN	Euro Price
- D	ø 1"	25/32	240,00
- F	ø 1 1/2"	50	295,00
- G	ø 2"	65	430,00
- L	ø 3"	80	460,00
- M	ø 4"	100	680,00



## Valvola idraulica a tre vie

3-way hydraulic valve  
Vanne hydraulique à 3 sorties  
Válvula hidráulica de 3 vías

18VM3V



Codice/Code	Misura/Size	Tipo/Type	Euro Price
- GVS	2"	Victaulic	405,00
- LVS	3"	Victaulic	530,00

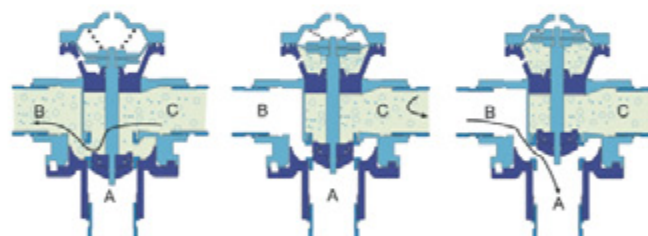
## Valvola idraulica a tre vie

con solenoide  
3-way hydraulic valve with Solenoid  
Vanne hydraulique à 3 sorties avec Solénoïde  
Válvula hidráulica de 3 vías Solenoide

18VM3VS



Codice/Code	Misura/Size	Tipo/Type	Euro Price
- GV	2"	Victaulic	586,00
- LV	3"	Victaulic	712,00



## Centraline di controlavaggio

Controller  
Programmeur  
Programador



18CEN

Codice/Code	Tipo/Type	Euro Price
- 2	2 stazioni - 2 stations	869,00
- 4	4 stazioni - 4 stations	990,00

## Pressostato

Differential pressure gauge  
Commutateur de différence de pression  
Interruptor de presión diferenciada

18PRD



Misura/Size	Euro Price
	605,00

## Solenoide bistabile

Bistable solenoid  
Solénoïde bistable  
Solenoide biestable

18SOB12



Misura/Size	Euro Price
12 VAC	93,50

# Fertirrigation



Venturi ALFA Injectors

 **BLUFERT**

Gli **iniettori Venturi ALFA** vengono usati principalmente come pompe fertilizzanti. Grazie ai materiali di alta qualità utilizzati, resistono alla maggior parte dei prodotti chimici e pertanto possono essere impiegati per applicazioni industriali.

Poiché utilizzano il principio del tubo Venturi, non hanno parti in movimento e quindi non hanno praticamente bisogno di manutenzione.

Gli iniettori non necessitano di fonti di energia esterna in ingresso; il funzionamento avviene per differenza di pressione tra l'ingresso e l'uscita e la portata di fluido aspirata varia a seconda dei modelli e in funzione della pressione/portata in ingresso.

The **Venturi ALFA injectors** are mostly employed as fertilisers. Thanks to the high quality raw material, they can resist to most chemicals and can be safely used in industrial applications.

The injectors use the Venturi tube principle, they have no moving parts and therefore they do not need any kind of maintenance.

They do not require any source of energy; they utilise a minimal amount of differential pressure between the inlet and outlet sides while the flow rate of the fluid sucked up varies according to each model and the inlet pressure/flow rate



**Iniettore Venturi**

Venturi ALFA injector  
Injecteur Venturi ALFA  
Injector Venturi ALFA



**20000**

completo di accessori - accessories included

Codice/Code	Misura/Size	Scatola/Box	Euro Price
- C	Ø 3/4"	33 B	60,85
- D	Ø 1"	33 B	79,80
- E	Ø 1"1/4	10 B	102,65
- F	Ø 1"1/2	10 B	136,90
- G	Ø 2"	10 B	182,55

**20001**

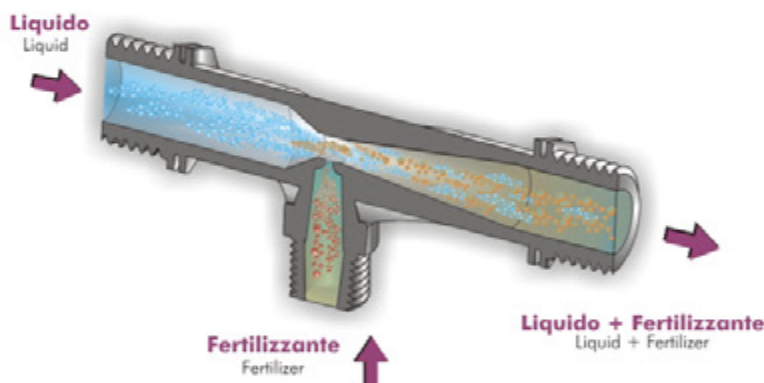
senza accessori - accessories excluded

Codice/Code	Misura/Size	Scatola/Box	Euro Price
- C	Ø 3/4"	100 B	16,30
- D	Ø 1"	100 B	24,70
- E	Ø 1"1/4	60 B	31,50
- F	Ø 1"1/2	40 B	42,00
- G	Ø 2"	20 B	56,70

**Caratteristiche tecniche - Technical features - Caracteristiques techniques**

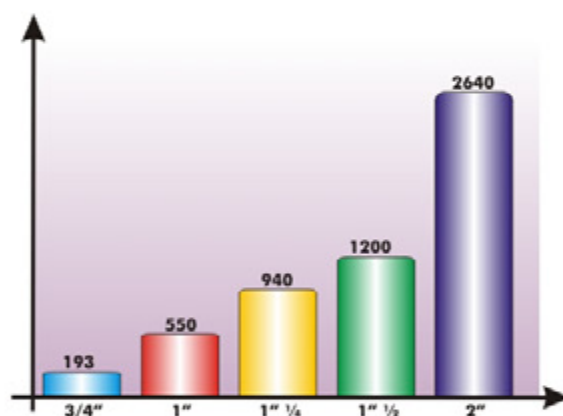
**Principio di funzionamento**

Operating scheme  
Schéma de fonctionnement



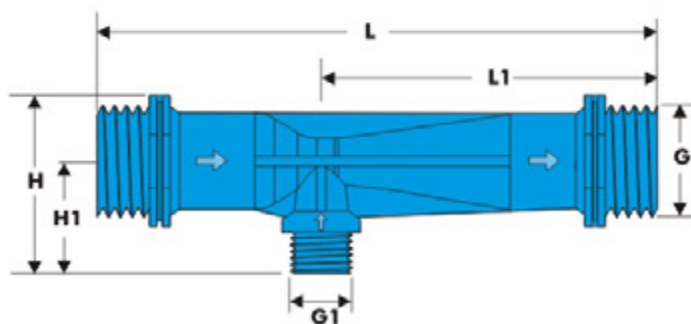
**Massima capacità di suzione (lt/h)**

Maximum suction capacity (lt/h)  
Débit maximum d'injection



**Dimensioni**

Dimensions - Cotes



G	GI	L	LI	H	HI
Ø 3/4"	Ø 1/2"	139	89	63	48
Ø 1"	Ø 1/2"	168	94	66	48
Ø 1"1/4	Ø 3/4"	247	157	74,5	45
Ø 1"1/2	Ø 3/4"	278	166	74,5	49
Ø 2"	Ø 1"	300	180	95	60

**Kit di fornitura**

Supply Kit - Equipment de installation

**Ø 3/4" - 1"**



**Ø 1"1/2 - 1"1/4 - 2"**



TABELLA PRESTAZIONI VENTURI - VENTURI PERFORMANCE TABLE

P in (bar)	P out (bar)	Ø 3/4"		Ø 1"		Ø 1"1/4		Ø 1"1/2		Ø 2"	
		Q inj (l/min)	Q asp (L/h)	Q inj (l/min)	Q asp (L/h)	Q inj (l/min)	Q asp (L/h)	Q inj (l/min)	Q asp (L/h)	Q inj (l/min)	Q asp (L/h)
0,5	0	10	145	48	529	42	800	63	800	172	2640
0,75	0	13	193	55	540	52	970	82	1000	205	2640
1	0	15	174	59	550	58	972	95	1200	240	2640
	0,25	15	150	59	550	58	972	86	800	238	2640
	0,5	15	138	55	375	51	461	86	800	235	2640
1,5	0	18	144	67	540	68	940	111	1200	280	2640
	0,5	18	144	67	540	68	940	111	1200	278	2640
	0,75	18	130	62	480	65	640	106	945	265	2100
	1	18	80	62	300	60	150	100	480	250	1058
2	0	21	130	75	530	78	940	124	1200	315	2640
	0,5	21	130	75	530	78	940	124	1200	315	2640
	0,75	21	130	75	530	78	940	124	1200	315	2640
	1	21	126	75	530	77	900	124	1150	315	2640
	1,25	21	126	72	400	71	360	124	750	300	2100
	1,5			70	200					280	580
2,5	0	23	118	82	530	87	920	136	1200	335	2640
	0,5	23	118	82	530	87	920	136	1200	335	2640
	0,75	23	118	82	530	87	920	136	1150	335	2640
	1	23	118	82	530	87	920	136	1150	335	2640
	1,25	23	118	81	480	87	920	136	1150	330	2640
	1,5	23	112	81	480	81	530	132	880	330	1480
	1,75	23	69	78	340	79	230	128	375	320	1160
	2			77	160						
3	0	25	110	88	520	95	920	148	1200	375	2640
	1	25	110	88	520	95	920	148	1200	370	2640
	1,25	25	110	88	470	95	920	148	1150	370	2640
	1,5	25	110	88	470	95	920	148	1150	370	2640
	1,75	25	110	88	470	92	630	147	1120	360	2200
	2	25	93	88	470	89	430	140	600	355	1666
	2,25			86	240	88	170	138	185	345	920
	2,5			83	135						
3,5	0	26	105	95	520	102	920	159	1200	405	2640
	1	26	105	95	520	102	920	159	1200	405	2640
	1,5	26	105	95	520	102	920	159	1150	405	2640
	1,75	26	105	95	520	102	920	159	1150	405	2640
	2	26	105	95	520	102	920	159	1150	400	2640
	2,25	26	101	93	430	98	580	153	840	390	1780
	2,5	26	63	93	430	96	270	150	370	375	1000
	2,75			92	260				147	120	
4	0	28	100	100	520	108	920	168	1200	430	2640
	1	28	100	100	520	108	920	168	1200	430	2640
	2	28	100	100	520	108	920	168	1200	420	2640
	2,25	28	100	100	520	108	920	166	1150	420	2570
	2,5	28	98	100	520	108	920	165	1000	420	2570
	2,75	28	91	100	500	104	490	162	650	410	1580
	3	28	65	98	391	103	240	159	255	400	700
	3,25			95	187						
4,5	0	29	96	106	500	116	920	178	1200	440	2640
	1	29	96	106	500	116	920	178	1200	440	2640
	2	29	96	106	500	116	920	178	1200	440	2640
	2,5	29	96	106	500	116	920	178	1200	435	2570
	2,75	29	96	106	500	116	920	177	1150	435	2100
	3	29	94	106	500	113	690	172	800	435	800
	3,25	29	69	105	490	110	395	169	400		
	3,5			103	345	109	173				
3,75			101	175							
5	0	31	92	110	500	122	920	186	1200	475	2640
	1	31	92	110	500	122	920	186	1200	470	2640
	2	31	92	110	500	122	920	186	1200	470	2640
	3	31	92	110	500	122	920	186	1150	470	2640
	3,25	31	91	110	500	122	920	181	900	465	1780
	3,5	31	86	110	500	118	580	179	580	435	800
	3,75	31	30	108	390	117	360	177	225		
	4			107	280	116	120				
4,25			105	130							
5,5	0	32	87	115	500	128	920	195	1200	500	2640
	1	32	87	115	500	128	920	195	1200	500	2640
	2	32	87	115	500	128	920	195	1200	490	2640
	3	32	87	115	500	128	920	195	1200	490	2600
	3,25	32	87	115	500	128	920	194	1150	490	2400
	3,5	32	87	115	500	128	920	194	1150	470	1200
	3,75	32	85	115	490	126	837	189	770		
	4	32	75	115	490	123	470	186	400		
	4,25			113	380	122	266				
	4,5			111	200	121	95				
4,75			110	105							

Prove effettuate alla temperatura di 20° ± 2° C utilizzando come liquido di suzione acqua alla temperatura di 20° ± 2° C  
 Tests carried out at 20° ± 2°C using water at 20° ± 2°C as suction liquid.  
 Essai effectués à la température de 20° ± 2°C en utilisant eau à la même température comme liquide de succion



## TABELLA PRESTAZIONI VENTURI - VENTURI PERFORMANCE TABLE

P in (bar)	P out (bar)	Ø 3/4"		Ø 1"		Ø 1"1/4		Ø 1"1/2		Ø 2"	
		Q inj (l/min)	Q asp (L/h)	Q inj (l/min)	Q asp (L/h)	Q inj (l/min)	Q asp (L/h)	Q inj (l/min)	Q asp (L/h)	Q inj (l/min)	Q asp (L/h)
6	0	33	86	120	500	133	920	203	1200	510	2640
	1	33	86	120	500	133	920	203	1200	510	2640
	2	33	86	120	500	133	920	203	1200	510	2640
	3	33	86	120	500	133	920	202	1150	505	2640
	3,5	33	86	120	500	133	920	202	1150	500	2000
	3,75	33	86	120	500	133	920	202	1150	490	1250
	4	33	88	120	500	133	920	199	960	490	800
	4,25	33	83	119	480	130	830	197	670		
	4,5	33	55	119	480	129	430	196	330		
	4,75			118	340	128	233				
5			117	210							
6,5	0	34	81	124	500	138	920	210	1200	530	2640
	1	34	81	124	500	138	920	210	1200	530	2640
	2	34	81	124	500	138	920	210	1200	530	2640
	3	34	81	124	500	138	920	209	1150	520	2640
	3,25	34	81	124	500	138	920	209	1150	515	2200
	3,5	34	81	124	500	138	920	209	1150	515	2050
	3,75	34	81	124	500	138	920	209	1150	515	1900
	4	34	81	124	500	138	920	209	1120	515	1650
	4,25	34	81	124	500	138	920	205	830		
	4,5	34	81	124	500	138	920	203	480		
	4,75	34	55	123	440	137	690				
	5			123	440	135	480				
	5,25			121	320	134	300				
	5,5			120	160	133	140				
7	0	36	81	129	500	143	920	217	1150	550	2640
	3	36	81	129	500	143	920	217	1150	545	2640
	4	36	81	129	500	143	920	217	1150	545	2640
	4,5	36	81	129	500	143	920	217	1150	545	2640
	4,75	36	80	129	500	143	920	214	970	540	2050
	5	36	78	129	500	141	690	212	650	530	1200
	5,25	36	65	127	400	139	480	210	315		
	5,5			127	400	139	300				
	5,75			126	280	138	140				
	6			124	150						
7,5	0	37	80	133	500	148	920	225	1150	545	2640
	3	37	80	133	500	148	920	225	1150	545	2640
	4	37	80	133	500	148	920	225	1150	545	2640
	4,5	37	80	133	500	148	920	225	1150	545	2640
	4,75	37	80	133	500	148	920	225	1150	545	2150
	5	37	80	133	500	148	920	225	1100	545	1800
	5,25	37	80	133	500	147	920	223	790	545	1300
	5,5	37	77	133	500	145	780	219	525	545	800
	5,75	37	55	131	400	144	540	218	277		
	6			131	380	144	375				
	6,25			129	240	142	210				
	6,5			127	130						
8	0	38	78	137	500	153	920	231	1150		
	3	38	78	137	500	153	920	231	1150		
	4	38	78	137	500	153	920	231	1150		
	5	38	78	137	500	153	920	231	1150		
	5,25	38	78	137	500	153	920	231	1150		
	5,5	38	78	137	500	153	920	228	960		
	5,75	38	75	137	500	153	690	227	700		
	6	38	67	137	500	151	780	206	740		
	6,25			135	400	150	540				
	6,5			135	340	149	375				
	6,75			134	226	148	210				
8,5	0	39	76	141	490	157	920	238	1150		
	4	39	76	141	490	157	920	238	1150		
	5	39	76	141	490	157	920	238	1150		
	5,5	39	76	141	490	157	920	238	1150		
	5,75	39	76	141	490	157	920	237	1120		
	6	39	76	141	490	157	920	234	820		
	6,25	39	69	140	480	155	690	233	500		
	6,5	39	52	140	480	154	485				
	6,75			140	415	153	320				
	7			139	320	152	110				
	7,25			137	210						
9	0	40	75	145	490	162	920	244	1150		
	4	40	75	145	490	162	920	244	1150		
	5	40	75	145	490	162	920	244	1150		
	6	40	75	145	490	162	920	244	1150		
	6,25	40	75	145	490	162	920	242	945		
	6,5	40	72	145	490	161	840	241	690		
	6,75	40	64	144	460	159	620	239	440		
	7	40	37	144	460	158	440	237	210		
	7,25			142	350	157	285				
	7,5			142	290	156	95				
	7,75			140	150						

Prove effettuate alla temperatura di 20° ± 2° C utilizzando come liquido di suzione acqua alla temperatura di 20° ± 2° C.  
 Tests carried out at 20° ± 2° C using water at 20° ± 2° C as suction liquid.

Essai effectués à la température de 20° ± 2° C en utilisant eau à la même température comme liquide de succion

Il sistema di fertirrigazione **BLUFERT** è stato progettato per gestire irrigazioni e fertirrigazioni sia in serra che a pieno campo, a ciclo aperto.

Il sistema può regolare l'iniezione dei fertilizzanti mediante programmazione volumetrica o in retroazione in base alla misura della EC (conduttività elettrica).

Le irrigazioni possono essere programmate mediante una schedulazione oraria, ripetizioni cicliche a intervallo fisso o modulate attraverso un accumulatore da sensore esterno (tipicamente un sensore di radiazione solare).

L'installazione e l'avviamento della macchina è semplice e intuitivo grazie a delle pagine di programmazione dedicate all'installatore, che consentono il test di tutti gli I/O e l'autotuning dei sistemi di regolazione.

Lo storico degli eventi significativi (irrigazioni, allarmi, spegnimenti per mancanza rete) può avvenire a bordo macchina mediante **chiavetta usb** o utilizzando il **software di supervisione** su un pc collegato direttamente alla macchina.

La supervisione può essere effettuata anche in **controllo remoto** installando l'apposita scheda BF-WEBSRV.

**BLUFERT** è in grado di gestire l'avviamento programmato di **agitatori** per le vasche contenenti le soluzioni, gestisce i cicli di **pulitura dei filtri** ed è in grado di interagire con un termostato esterno per far partire interventi di emergenza in caso di temperature esterne troppo basse (**funzione antigelo**).

Tutto questo attraverso un'interfaccia utente chiara, gradevole e intuitiva grazie al **touchs-creen da 5" a colori**.



The **BLUFERT** fertigation system is designed to manage **irrigation and fertigation** in greenhouses and in the open field, open loop.

The fertilizer injection can be driven by volumetric programming or by EC (electric conductivity).

Irrigation can be programmed via a hourly schedule, cyclical repetitions in fixed intervals or modulated by external sensor integration (typically a solar radiation sensor).

The installation and commissioning of the machine is simple and intuitive thanks to the programming pages dedicated to the installer, which allows the testing of all I/O and auto-tuning of control systems.

The significant events history (irrigation, alarms, shutdowns for mains failure) can be carried out on the machine via **USB key** or using the monitoring software from a PC connected directly to the machine.

**Supervision** may also be carried out in **remote control** by installing the card BF-WEBSRV.

**BLUFERT** is able to manage the programmed start of **agitators** for the tanks containing the solutions, manages the **cleaning cycles of the filters** and is capable of interacting with an external thermostat to start emergency operations in the event of outside temperatures are too low (**frost protection function**).

All this through a clear user interface, intuitive and pleasant thanks to a **5" touch-screen Color monitor**.



## BLUFERT ECO

Iniezione diretta  
Direct injection

16-32-48 Uscite multifunzione per comando elettrovalvole  
16-32-48 multifunction outputs for control of solenoid valves;

2 Dosatori fertilizzanti con valvola di regolazione e flussimetro graduato  
2 fertilizer dispensers with regulation valve and graded flowmeter

1 Dosatore acido  
1 acid dispenser

Touch Screen 5" a colori con capacità storica eventi  
Color Touch Screen 5" with history events capacity

## BFECO-ID

Codice/Code*	Bar	SUZIONE/INIETTORE SUCTION/INJECTOR	N° INIETTORI FERTILIZZANTE N° FERTILIZER INJECTORS	16 SETTORI/SECTORS Euro Price	32 SETTORI/SECTORS Euro Price	48 SETTORI/SECTORS Euro Price
035-300-2-□□	3,5	300 l/h	2	6.150	6.600	7.200
035-600-2-□□	3,5	600 l/h	2	7.530	8.100	8.700
035-300-3-□□	3,5	300 l/h	3	6.600	7.050	7.650
035-600-3-□□	3,5	600 l/h	3	8.430	9.000	9.600
035-300-4-□□	3,5	300 l/h	4	6.900	7.500	8.100
035-600-4-□□	3,5	600 l/h	4	9.360	9.900	10.500
035-300-5-□□	3,5	300 l/h	5	7.350	7.950	8.400
035-600-5-□□	3,5	600 l/h	5	10.230	10.800	11.700
050-300-2-□□	5,0	300 l/h	2	6.450	7.050	7.560
050-600-2-□□	5,0	600 l/h	2	7.950	8.460	9.000
050-300-3-□□	5,0	300 l/h	3	6.900	7.500	7.950
050-600-3-□□	5,0	600 l/h	3	8.850	9.360	9.900
050-300-4-□□	5,0	300 l/h	4	7.350	7.860	8.400
050-600-4-□□	5,0	600 l/h	4	9.750	10.260	10.800
050-300-5-□□	5,0	300 l/h	5	7.800	8.250	8.850
050-600-5-□□	5,0	600 l/h	5	10.650	11.190	11.700

\* □□ Specificare N° Elettrovalvole (16-32-48)/



## BLUFERT-ID

## Iniezione diretta ■ Direct injection

16-32-48 Uscite multifunzione per comando elettrovalvole  
16-32-48 multifunction outputs for valves

2 Dosatori fertilizzanti con valvola di regolazione e flussimetro graduato  
2 fertilizer dispensers with regulation valve and graded flowmeters

1 Dosatore acido  
1 acid dispenser

Sensore per lettura CE  
Sensor for electrical conductivity reading

Sensore per lettura pH  
Sensor for pH reading

Touch Screen 5" a colori con capacita storica eventi  
Color Touch Screen 5" with storic events capacity

Selettori per avvio/arresto manuale di dosatori e pompa iniezione  
Selectors for manual start/stop of dispensers and injection pump

## BFBASE-ID

Codice/Code*	Bar	SUZIONE/INIETTORE SUCTION/INJECTOR	N° INIETTORI FERTILIZZANTE N° FERTILIZER INJECTORS	16 SETTORI/SECTORS Euro Price	32 SETTORI/SECTORS Euro Price	48 SETTORI/SECTORS Euro Price
035-300-2-□□	3,5	300 l/h	2	7.350	7.350	8.460
035-600-2-□□	3,5	600 l/h	2	8.850	9.380	9.900
035-300-3-□□	3,5	300 l/h	3	7.800	8.400	8.850
035-600-3-□□	3,5	600 l/h	3	9.750	10.260	10.800
035-300-4-□□	3,5	300 l/h	4	8.250	8.850	9.300
035-600-4-□□	3,5	600 l/h	4	10.620	11.160	11.700
035-300-5-□□	3,5	300 l/h	5	8.640	9.150	9.750
035-600-5-□□	3,5	600 l/h	5	11.550	12.060	12.600
050-300-2-□□	5,0	300 l/h	2	7.800	8.280	11.850
050-600-2-□□	5,0	600 l/h	2	9.240	9.750	10.290
050-300-3-□□	5,0	300 l/h	3	8.250	8.700	9.300
050-600-3-□□	5,0	600 l/h	3	10.110	10.650	11.250
050-300-4-□□	5,0	300 l/h	4	8.550	9.150	9.750
050-600-4-□□	5,0	600 l/h	4	11.100	11.550	12.090
050-300-5-□□	5,0	300 l/h	5	9.000	9.600	10.110
050-600-5-□□	5,0	600 l/h	5	12.000	12.450	13.050

\* □□ Specificare N° Elettrovalvole (16-32-48)/

## BLUFERT-PX

## Premiscelazione parziale - Partial premix

Vasca di premiscelazione  
Premix Tank

60 litri



## BFBASE-PX

Codice/Code*	Bar	SUZIONE/INIETTORE SUCTION/INJECTOR	N° INIETTORI FERTILIZZANTE N° FERTILIZER INJECTORS	16 SETTORI/SECTORS Euro Price	32 SETTORI/SECTORS Euro Price	48 SETTORI/SECTORS Euro Price
035-300-2-□□	3,5	300 l/h	2	7.800	8.400	9.000
035-600-2-□□	3,5	600 l/h	2	9.300	9.840	10.350
035-300-3-□□	3,5	300 l/h	3	8.250	8.850	9.300
035-600-3-□□	3,5	600 l/h	3	10.200	10.740	11.250
035-300-4-□□	3,5	300 l/h	4	8.700	9.150	9.750
035-600-4-□□	3,5	600 l/h	4	11.100	11.640	12.150
035-300-5-□□	3,5	300 l/h	5	9.150	9.600	10.200
035-600-5-□□	3,5	600 l/h	5	12.000	12.510	13.050
050-300-2-□□	5,0	300 l/h	2	8.160	8.700	9.240
050-600-2-□□	5,0	600 l/h	2	9.630	10.200	10.710
050-300-3-□□	5,0	300 l/h	3	8.550	9.150	9.600
050-600-3-□□	5,0	600 l/h	3	10.500	11.100	11.700
050-300-4-□□	5,0	300 l/h	4	9.000	9.540	10.080
050-600-4-□□	5,0	600 l/h	4	11.550	12.000	12.540
050-300-5-□□	5,0	300 l/h	5	9.450	10.050	10.590
050-600-5-□□	5,0	600 l/h	5	12.450	12.900	13.500

\* □□ Specificare N° Elettrovalvole (16-32-48)/

**BLUFERT-MT**
**Premiscelazione Totale - Total premix**

 Vasca di premiscelazione  
 Premix Tank  
**300 litri**

## BFBASE-MT

Codice/Code*	POMPA Kw Kw Pump	SUZIONE/INIETTORE SUCTION/INJECTOR	N° INIETTORI FERTILIZZANTE N° FERTILIZER INJECTORS	16 SETTORI/SECTORS Euro Price	32 SETTORI/SECTORS Euro Price	48 SETTORI/SECTORS Euro Price
050-300-2-□□	5,0 Kw	300	2	12.900	13.350	13.950
050-600-2-□□	5,0 Kw	600	2	14.250	14.850	15.300
050-300-3-□□	5,0 Kw	300	3	13.200	13.800	14.400
050-600-3-□□	5,0 Kw	600	3	15.150	15.750	16.260
050-300-4-□□	5,0 Kw	300	4	13.650	14.250	14.700
050-600-4-□□	5,0 Kw	600	4	16.050	16.650	17.190
050-300-5-□□	5,0 Kw	300	5	14.100	14.850	15.150
050-600-5-□□	5,0 Kw	600	5	16.950	17.550	18.060

ALTRE POTENZE SU RICHIESTA/OTHER POWERS ON REQUEST

\* □□ Specificare N° Elettrovalvole (16-32-48)/

## SOFTWARE



### BF-WEBSRV.

**Scheda accesso remoto e web server**  
 Software di supervisione e controllo del banco di fertirrigazione  
 Supervision and control software of the fertigation bench

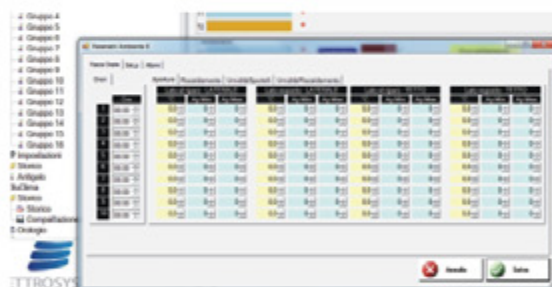
Il software gira in ambiente Windows  
 The software runs under Windows environment

Euro Price

1050,00



**App IOS e Android**  
 App per la supervisione del banco di fertirrigazione.  
 App for the fertigation bench supervision.



ITTROSYS

## SPARE PARTS -RICAMBI



### SENSORE CE

**Sensore CE - Electrical conductivity sensor**  
 Cella conducibilità a carbone con compensatore di temperatura.  
 Conductivity carbon cell with temperature compensator.

Euro Price

129,00



### SENSORE .Ph

**Sensore pH - pH sensor**  
 Elettrodo pH per pressione fino a 7 bar, campo di rilevamento da 0 a 14 pH.  
 pH electrode for pressure up to 7 bar, detection range from 0 to 14 pH.

Euro Price

210,00



## SCHEDA CE

Scheda CE - Electrical conductivity record card  
Scheda elettronica con display LCD retroilluminato.  
Electronic record card with backlit LCD display.

Euro Price

360,00



## SCHEDA pH

Scheda pH - pH record card  
Scheda elettronica per la misura e il controllo del pH con display LCD retroilluminato.  
Electronic record card to measure and control pH with backlit LCD display.

Euro Price

360,00

## ACCESSORI - ACCESSORIES

### BF- INIETF

Kit iniezione fertilizzante compreso di elettrovalvola, tubo venturi, flussimetro graduato.  
Fertilizer Injection kit including a solenoid valve, venturi tube, graduated flowmeter.

Codice/code

Euro Price

300 510,00

900 900,00



### BF- LIMP

Misuratore con attacco da 2,5" e lancia impulsi 10 l/imp.  
Meter with 2,5" connection and pulse output 10 l/pulse.

Euro Price

900,00



### BF- AGITA

Agitatore a paletta con motore.  
Rod agitator with engine.

Euro Price

540,00



### BF- LUX

Sensore Lux per gestione integrazione solare.  
Lux sensor for solar integration.

Euro Price

510,00



### BF- BAR

Sensore pressione per controllo di sicurezza impianto.  
Pressure sensor to control system security.

Euro Price

390,00



### BF- ALLARM

Centrale di allarme collegata al banco di fertirrigazione.  
Alarm panel connected to the fertigation bench.  
Dotata di sirena esterna e combinatore GSM per chiamate emergenza  
Equipped with external siren and dialer GSM emergency call

Euro Price

270,00



### BF- 2PHCE

Kit doppio sensore per controllo di sicurezza CE e pH.  
Kit dual sensor for security check electrical conductivity and pH.  
Il kit comprende due strumenti di condizionamento, un elettrodo CE, un elettrodo pH.  
The kit includes two conditioning tools, an electrical conductivity electrode, a pH electrode.

Euro Price

1.329,00



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