ROC®

Reverse Osmosis Components

Polypropylene housings for filter cartridges

POLYPROPYLENE HOUSINGS

Filtro FP3

Features

Model	FILTRO FP3	
Height	9”3/4 - 20”	5” - 7” *upon request*
In/Out	3/4”F - 1”F	1/2”F - 1”1/4F - 1”1/2F *upon request*

Material

Bowl	SAN / PP
Head	PP *insert and relief valve in brass*
Nut	PP
O-Ring	NBR 70 Sh

Design data

Max working pressure	8 bar
Burst pressure	35 bar
Max working temperature	50°C
Capacity empty at 2 bar (l/min)	1/2“F - 106 l/min; 3/4“F - 106 l/min; 1“F - 106 l/min 1”1/4F - 230 l/min; 1”1/2F - 230l/min
Life test	*200.000 cycles from 0 to 10 bar*

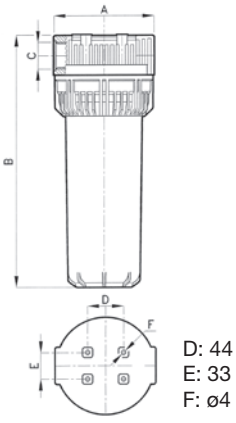
Cartridges

cartridges	1
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	9”3/4 - 20”

Applications

Water treatment

Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
A2010070	*FP3 - PP blue head with brass insert SAN transparent bowl*	9”3/4	3/4”F	122x294	12	12,32	€ 16,69
A2010080		20”	3/4”F	122x565	6	9,62	€ 48,52
A2010110		9”3/4	1”F	122x299	12	12,60	€ 16,95
A2010120		20”	1”F	122x570	6	9,76	€ 48,78
A2040070	*FP3 - PP blue head with brass insert PP white bowl*	9”3/4	3/4”F	122x294	12	12,32	€ 16,69
A2040080		20”	3/4”F	122x565	6	10	€ 45,76
A2040110		9”3/4	1”F	122x299	12	12,60	€ 16,95
A2040120		20”	1”	122x570	6	10,14	€ 45,97



D: 44
E: 33
F: ø4

Accessories

Code	Description	€/each
A6010010	*Polypropylene wrench*	€ 2,35
A6010930	*Polypropylene single bracket*	€ 3,35
A6011340	*Polypropylene double bracket*	€ 6,15

POLYPROPYLENE HOUSINGS

Filtro FP3

Features		
Model	FILTRO FP3	
Height	9”3/4 - 20”	5” - 7” *upon request*
In/Out	3/4”F - 1”F	1/4”F - 3/8”F - 1/2”F *upon request*

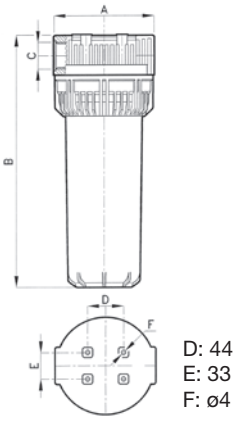
Material	
Bowl	SAN / PP
Head	PP
Nut	PP
O-Ring	NBR 70 Sh

Design data	
Max working pressure	8 bar
Burst pressure	35 bar
Max working temperature	50°C
Capacity empty at 2 bar (l/min)	1/4“F - 33 l/min; 3/8”F - 87 l/min; 1/2“F - 106 l/min; 3/4“F - 106 l/min; 1“F - 106 l/min
Life test	200.000 cycles from 0 to 10 bar

Cartridges	
cartridges	1
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	9”3/4 - 20”

Applications
Water treatment

Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
A2020150	FP3 - PP blue head without brass insert SAN transparent bowl	9”3/4	3/4”F	122x317	12	12,02	€ 15,08
A2020160		20”	3/4”F	122x577	6	9,47	€ 44,69
A2020190		9”3/4	1”F	122x325	12	12,45	€ 15,08
A2020200		20”	1”F	122x585	6	9,67	€ 44,69
A2030150	FP3 - PP blue head without brass insert PP white bowl	9”3/4	3/4”F	122x317	12	12,02	€ 15,08
A2030160		20”	3/4”F	122x577	6	9,85	€ 43,01
A2030190		9”3/4	1”F	122x325	12	12,45	€ 15,08
A2030200		20”	1”F	122x585	6	10,15	€ 43,01



D: 44
E: 33
F: ø4

Accessories

Code	Description	€/each
A6010010	Polypropylene wrench	€ 2,35
A6010930	Polypropylene single bracket	€ 3,35
A6011340	Polypropylene double bracket	€ 6,15

POLYPROPYLENE HOUSINGS

Filtro BIG

Features

Model	FILTRO BIG
Height	9”3/4 - 20” - 30”
In/Out	1”F - 1”1/2F

Material

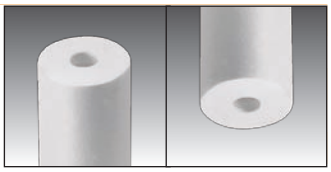
Bowl	PP *(transparent) upon request*
Testa - *Head*	PP
O-Ring	NBR 70 Sh

Design data

Max working pressure	8 bar
Burst pressure	35 bar
Max working temperature	50°C
Capacity empty at 2 bar (l/min)	1“F - 106 l/min; 1”1/2F - 194,48 l/min
Life test	*200.000 cycles from 0 to 10 bar*

Cartridges

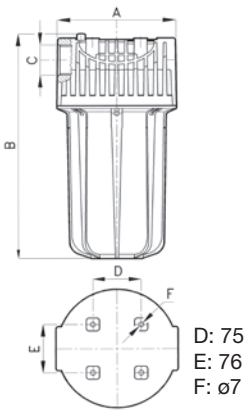
N° cartridges	1
Type end caps	DOE BIG
Inner diameter min./max.	26 mm / 38 mm
Outer diameter max.	120 mm
Height	9”3/4 - 20” - 30”



Applications

Water treatment

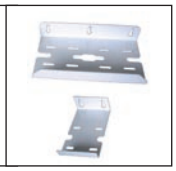
Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
A1050180	Polypropylene black head Polypropylene blue bowl	9”3/4	1”F	185x343	4	10	€ 55,87
A1050240		9”3/4	1”1/2F	185x343	4	11	€ 61,44
A1050170		20”	1”F	185x615	4	16	€ 78,20
A1050160		20”	1”1/2F	185x625	4	16,73	€ 83,79
A1050290		30”	1”1/2F	185x878	1	7	€ 167,65



D: 75
E: 76
F: ø7

Accessories

Code	Description	€/each
A6010090	*Polypropylene wrench*	€ 6,43
PN020100	*Metal single bracket BIG*	€ 15,64
PN020040	*Metal double bracket BIG*	€ 23,46



POLYPROPYLENE HOUSINGS

Filtro FP2 PH

Features	
Model	FILTRO FP2 PH
Height	10”
In/Out	3/4”F

Material	
Bowl	*Natural*
Head	*Natural*
O-Ring	NBR 70 Sh

Design data	
Max working pressure	8 bar
Burst pressure	35 bar
Max working temperature	50°C
Capacity empty at 2 bar (l/min)	3/4“F - 106 l/min
Life test	*100.000 cycles from 0 to 10 bar*

Cartridges	
N° cartridges	1
Type end caps	Code 8 (222 - O-ring/spear)
Inner diameter	30 mm
Outer diameter	70 mm
Height	10”

Applications
Water treatment

Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
FFP2PHPP0110	Filtro FP2 PH 10”	10”	3/4”F	135x389	12	14,00	€ 140,00

D: 57
E: 59
F: ø6

Accessories

Code	Description	€/each
A6010010	*Polypropylene wrench*	€ 6,43
PN020100	*Metal single bracket*	€ 15,64
PN020040	*Metal double bracket*	€ 23,46

POLYPROPYLENE HOUSINGS

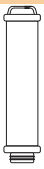
Filtro FilterOne

Features	
Model	FILTRO FilterOne
Height	23” - 40”
In/Out	3”F

Material	
Body	PP
Clamp	*Painted carbon steel*
Support	*Painted carbon steel*
O-Ring	NBR 70 Sh VITON *upon request*

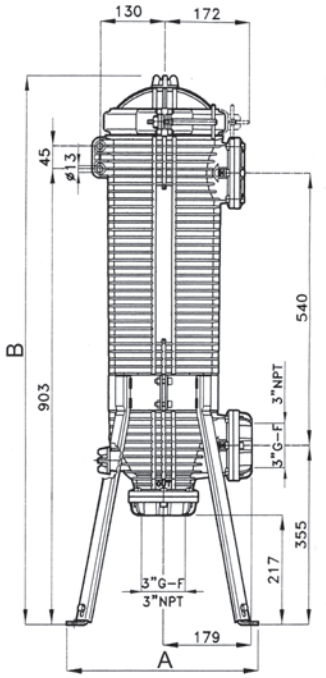
Design data	
Max working pressure	6 bar
Burst pressure	20 bar
Max working temperature	40°C
Capacity empty at 2 bar (l/min)	3“F - 60 m³/h
Life test	*100.000 cycles from 0 to 10 bar*

Cartridges	
N° cartridges	1
Type end caps	FON
Inner diameter	76 mm (3”)
Outer diameter	147,5 mm (5,8”)
Height	23” - 40”



Applications
Water treatment

Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
FO0123	FILTRO FilterOne 1x23”	23”	3”	388x1090	1	19	€ 915,20
FO0140	FILTRO FilterOne 1x40”	40”	3”	388x1500	1	22,5	€ 1.144,00



POLYPROPYLENE HOUSINGS

Accessories

Code	Description	€/each
AFFOST0420	*FilterOne adaptor for n° 4 standard cart. 20”*	€ 298,94
AFFOST0430	*FilterOne adaptor for n° 4 standard cart. 30”*	€ 301,80

Cartridges

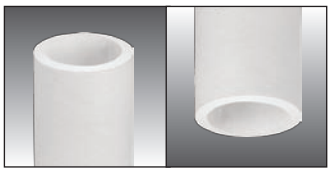
N° cartridges	4
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	20” - 30”

Accessories

Code	Description	€/each
AFFOCL0120	*FilterOne adaptor for n° 1 cart. CL 20”*	€ 197,46
AFFOCL0140	*FilterOne adaptor for n° 1 cart. CL 40”*	€ 223,23

Cartridges

N° cartridges	1
Type end caps	DOE CL
Inner diameter	114,3 mm (4,5”)
Outer diameter	152,4 mm (6”)
Height	20” - 40”



Exemples of plants

ROC®

Reverse Osmosis Components

Polyamide housings for filter cartridges

POLYAMIDE HOUSINGS

Filtro ECOPA

The multi-cartridge housings model ECOPA are made in polyamide P.A.-6 with an internal liner in polyetilene P.E.

Advantages

- *High flow rate*
- *High pressure resistance*
- *Vacuum resistant*
- *Corrosion resistant (ideal for sea water filtration)*
- *Easy installation*
- *Easy substitution of cartridges*
- *Changeability (can fit different type of cartridges, substituting only the internal adaptors).*

POLYAMIDE HOUSINGS

Filtro ECOPA

Features	
Model	Filtro ECOPA
Height	40”
In/Out	4” (diam. 110 PVC) - 6” (diam. 160 PVC)

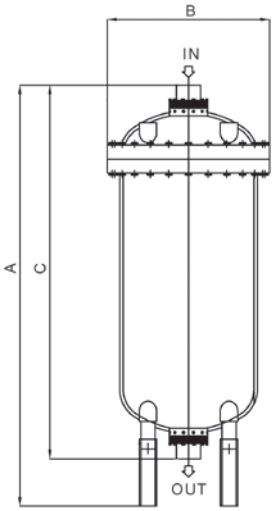
Material	
Body	Polyamide P.A.-6
Body - Internal finishing	Polyethylene P.E.
Bolts	Stainless steel galvanised
Support	Polyamide P.A.-6
O-Ring	EPDM

Design data	
Max working pressure	6 bar
Burst pressure	20 bar
Max working temperature	50°C
Capacity empty at 2 bar (l/min)	4” - 1333 l/min (80 m³/h); 6” - 3500 l/min (210 m³/h)
Life test	1.000 cycles from 0 to 10 bar

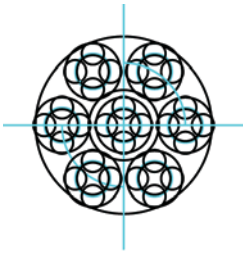
Cartridges	
N° cartridges	16 - 28 - 72
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	40”

Applications
Water treatment

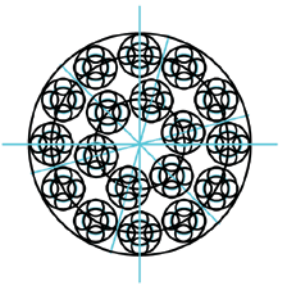
Code	Description	Height	N° cart.	In/Out	Dimensions mm A	B	C	Quantity BOX	€/each
ECO400ST1640	FILTRO ECOPA 400 16x40”	40”	16	4” (diam. 110 PVC)	2250	500	2100	1	€ 7.639,10
ECO500ST2840	FILTRO ECOPA 500 28x40”	40”	28	6” (diam. 160 PVC)	2430	720	2160	1	€ 9.377,44
ECO900ST7240	FILTRO ECOPA 900 72x40”	40”	72	6” (diam. 160 PVC)	2800	1080	2480	1	€ 19.142,86



ECOPA 400 16x40”



ECOPA 500 28x40”



ECOPA 900 72x40”

European Community members only
These filters satisfy all requirements of the European Directive for Pressure Equipment (P.E.D.) 97/23/EC, following module A (internal production control) as conformity assesment procedure.

POLYAMIDE HOUSINGS

Filtro ECOPA FilterOne

Features	
Model	Filtro ECOPA FilterOne
Height	40”
In/Out	4” (diam. 110 PVC) - 6” (diam. 160 PVC)

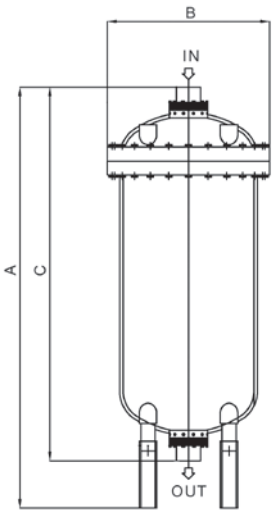
Material	
Body	Polyamide P.A.-6
Body - Internal finishing	Polyetilene P.E.
Bolts	Stainless steel galvanised
Support	Polyamide P.A.-6
O-Ring	EPDM

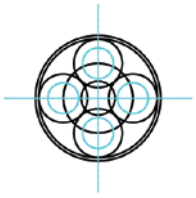
Design data	
Max working pressure	6 bar
Burst pressure	20 bar
Max working temperature	50°C
Capacity empty at 2 bar (l/min)	4” - 1333 l/min (80 m³/h); 6” - 3500 l/min (210 m³/h)
Life test	1.000 cycles from 0 to 10 bar

Cartridges	
N° cartridges	4 - 7 - 18
Type end caps	FON
Inner diameter	76 mm (3”)
Outer diameter	147,5 mm (5,8”)
Height	40”

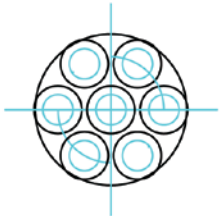
Applications
Water treatment

Code	Description	Height	N° cart.	In/Out	Dimensions mm A	B	C	Quantity BOX	€/each
ECO400FON440	FILTRO ECOPA 400 FilterOne 4x40”	40”	4	4” (diam. 110 PVC)	2250	500	2100	1	€ 6.240,00
ECO500FON740	FILTRO ECOPA 500 FilterOne 7x40”	40”	7	6” (diam. 160 PVC)	2430	720	2160	1	€ 8.068,57
ECO900FON1840	FILTRO ECOPA 900 FilterOne 18x40”	40”	18	6” (diam. 160 PVC)	2800	1080	2480	1	€ 16.025,71

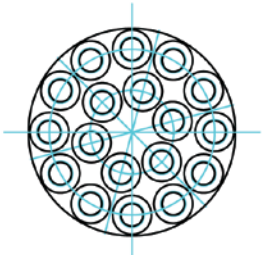




ECOPA 400 FilterOne 4x40”



ECOPA 500 FilterOne 7x40”



ECOPA 900 FilterOne 18x40”

European Community members only
These filters satisfy all requirements of the European Directive for Pressure Equipment (P.E.D.) 97/23/EC, following module A (internal production control) as conformity assesment procedure.

POLYAMIDE HOUSINGS

Filtro ECOPA CL

Features	
Model	Filtro ECOPA CL
Height	40”
In/Out	4” (diam. 110 PVC) - 6” (diam. 160 PVC)

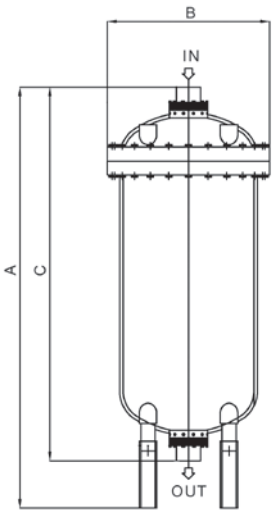
Material	
Body	Polyamide P.A.-6
Body - Internal finishing	Polyetilene P.E.
Bolts	Stainless steel galvanised
Support	Polyamide P.A.-6
O-Ring	EPDM

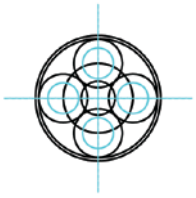
Design data	
Max working pressure	6 bar
Burst pressure	20 bar
Max working temperature	50°C
Capacity empty at 2 bar (l/min)	4” - 1333 l/min (80 m³/h); 6” - 3500 l/min (210 m³/h)
Life test	1.000 cycles from 0 to 10 bar

Cartridges	
N° cartridges	4 - 7 - 18
Type end caps	DOE CL
Inner diameter	114,3 mm (4,5”)
Outer diameter	152,4 mm (6”)
Height	40”

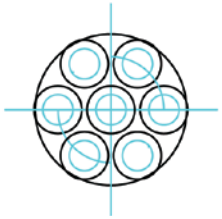
Applications
Water treatment

Code	Description	Height	N° cart.	In/Out	Dimensions mm A	B	C	Quantity BOX	€/each
ECO400CL440	FILTRO ECOPA 400 CL 4x40”	40”	4	4” (diam. 110 PVC)	2250	500	2100	1	€ 6.568,42
ECO500CL740	FILTRO ECOPA 500 CL 7x40”	40”	7	6” (diam. 160 PVC)	2430	720	2160	1	€ 8.493,23
ECO900CL1840	FILTRO ECOPA 900 CL 18x40”	40”	18	6” (diam. 160 PVC)	2800	1080	2480	1	€ 16.869,17

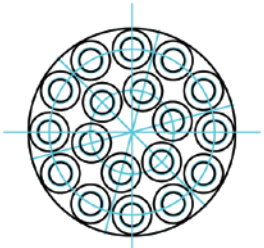




ECOPA 400 CL 4x40”



ECOPA 500 CL 7x40”



ECOPA 900 CL 18x40”

European Community members only
These filters satisfy all requirements of the European Directive for Pressure Equipment (P.E.D.) 97/23/EC, following module A (internal production control) as conformity assesment procedure.

ROC®

Reverse Osmosis Components

Fiberglass housings for filter cartridges

FIBREGLASS HOUSINGS

Filtro FIB

The multi-cartridge housings model FIB are made in Fibreglass.

Advantages

- *High flow rate*
- *High pressure resistance*
- *Vacuum resistant*
- *Corrosion resistant (ideal for sea water application)*
- *Easy installation*
- *Easy substitution of cartridges*
- *Changeability (can fit different type of cartridges, substituting only the internal adaptors).*

FIBREGLASS HOUSINGS

Filtro FIB

Features	
Model	Filtro FIB
Height	40”
In/Out	DN 150 - DN 200 - DN 300 - DN 350 - DN 400

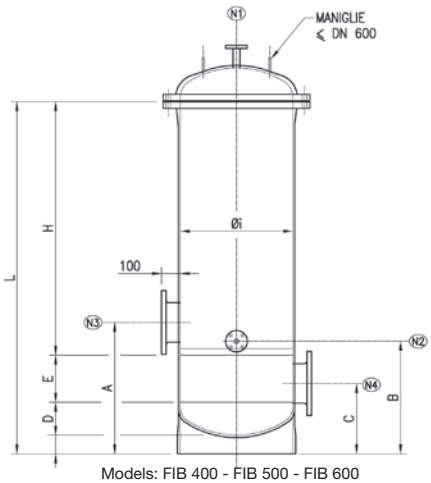
Material	
Body	*Fibreglass FRP (isophtalic resin)* *Filament winding - Continuous winding*
Body - Internal finishing	*Fibreglass FRP (isophtalic resin)*
Bolts	*Stainless steel galvanised*
O-Ring	EPDM

Design data	
Max working pressure	6 bar
Hydraulic test pressure	9 bar
Max working temperature	50°C
Capacity empty at 2 bar (l/min)	DN 150 - 1333 l/min (80 m³/h); DN 150 - 2333 l/min (140 m³/h); DN 200 - 3000 l/min (180 m³/h) - DN 300 - 5666 l/min (340 m³/h); DN 350 - 7666 l/min (460 m³/h); - DN 400 - 13333 l/min (800 m³/h);
Life test	*1.000 cycles from 0 to 10 bar*

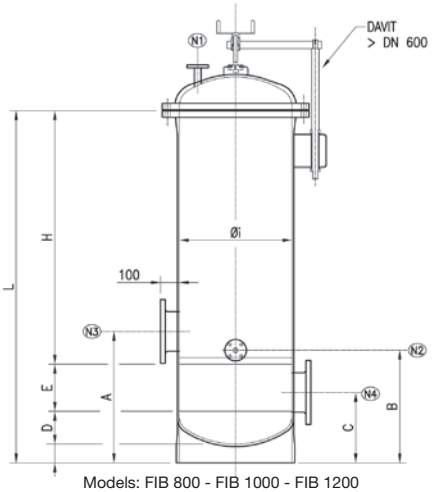
Cartridges	
N° cartridges	16 - 28 - 36 - 68 - 92 - 160
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	40”

Applications
Water treatment

Code	Description	Height	N° cart.	In/Out	Diameter mm	Dimensions mm A	C	L	Quantity BOX	€/each
FIB400ST1640	FILTRO FIB 400 16x40”	40”	16	DN 150	400	560	275	1700	1	€ 10.238,00
FIB500ST2840	FILTRO FIB 500 28x40”	40”	28	DN 150	500	610	325	1750	1	€ 12.621,94
FIB600ST3640	FILTRO FIB 600 36x40”	40”	36	DN 200	600	730	375	1850	1	€ 15.517,08
FIB800ST6840	FILTRO FIB 800 68x40”	40”	68	DN 300	800	980	425	2150	1	€ 26.863,15
FIB1000ST9240	FILTRO FIB 1000 92x40”	40”	92	DN 350	1000	1150	525	2350	1	€ 35.268,75
FIB1200ST16040	FILTRO FIB 1200 160x40”	40”	160	DN 400	1200	1300	630	2530	1	€ 50.496,00



Models: FIB 400 - FIB 500 - FIB 600



Models: FIB 800 - FIB 1000 - FIB 1200

European Community members only
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- Article n. 3 technical requirements para 1.1 and 1.2

Design code: EN 13121-3

FIBREGLASS HOUSINGS

Filtro FIB-FilterOne

Features	
Model	Filtro FIB-FilterOne
Height	40”
In/Out	DN 150 - DN 200 - DN 300 - DN 350 - DN 400

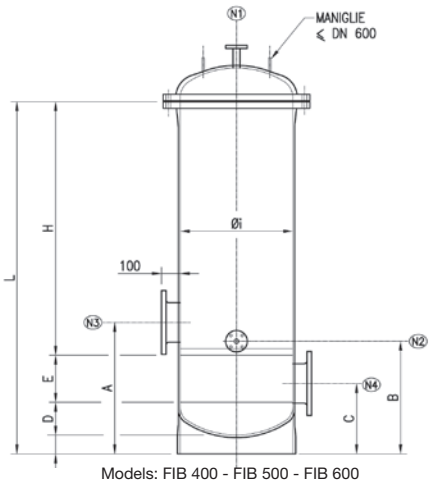
Material	
Body	Fibreglass FRP (isophtalic resin) Filament winding - Continuous winding
Body - Internal finishing	Fibreglass FRP (isophtalic resin)
Bolts	Stainless steel galvanised
O-Ring	EPDM

Design data	
Max working pressure	6 bar
Hydraulic test pressure	9 bar
Max working temperature	50°C
Capacity empty at 2 bar (l/min)	DN 150 - 3333 l/min (200 m³/h); DN 200 - 5000 l/min (300 m³/h) DN 300 - 11333 l/min (680 m³/h); DN 350 - 15863 l/min (953 m³/h); DN 400 - 20250 l/min (1215 m³/h);
Life test	1.000 cycles from 0 to 10 bar

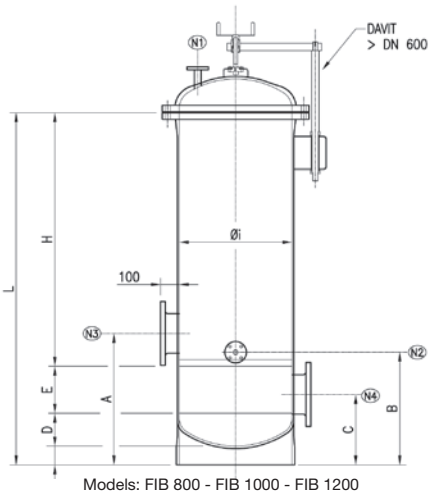
Cartridges	
N° cartridges	4 - 7 - 9 - 17 - 23 - 40
Type end caps	FON
Inner diameter min./max.	76 mm (3”)
Outer diameter max.	147,5 mm (5,8”)
Height	40”

Applications
Water treatment

Code	Description	Height	N° cart.	In/Out	Diameter mm	Dimensions mm A	C	L	Quantity BOX	€/each
FIB400FON0440	FILTRO FIB 400 FON 4x40”	40”	4	DN 150	400	560	275	1700	1	€ 9.276,14
FIB500FON0740	FILTRO FIB 500 FON 7x40”	40”	7	DN 150	500	610	325	1750	1	€ 11.204,21
FIB600FON0940	FILTRO FIB 600 FON 9x40”	40”	9	DN 200	600	730	375	1850	1	€ 13.729,84
FIB800FON1740	FILTRO FIB 800 FON 17x40”	40”	17	DN 300	800	980	425	2150	1	€ 23.726,73
FIB1000FON2340	FILTRO FIB 1000 FON 23x40”	40”	23	DN 350	1000	1150	525	2350	1	€ 31.037,78
FIB1200FON4040	FILTRO FIB 1200 FON 40x40”	40”	40	DN 400	1200	1300	630	2530	1	€ 43.593,26



Models: FIB 400 - FIB 500 - FIB 600



Models: FIB 800 - FIB 1000 - FIB 1200

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- Article n. 3 technical requirements para 1.1 and 1.2

Design code: EN 13121-3

FIBREGLASS HOUSINGS

Filtro FIB-CL

Features	
Model	Filtro FIB-CL
Height	40”
In/Out	DN 150 - DN 200 - DN 300 - DN 350 - DN 400

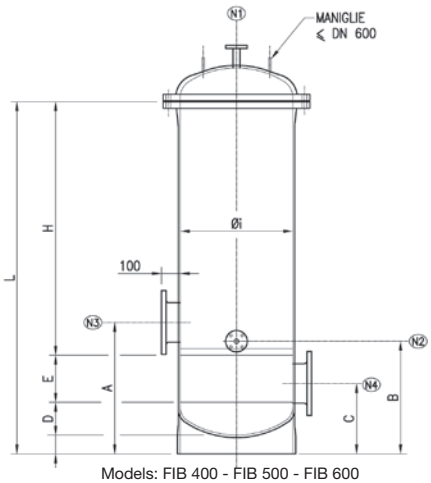
Material	
Body	Fibreglass FRP (isophtalic resin) Filament winding - Continuous winding
Body - Internal finishing	Fibreglass FRP (isophtalic resin)
Bolts	Stainless steel galvanised
O-Ring	EPDM

Design data	
Max working pressure	6 bar
Hydraulic test pressure	9 bar
Max working temperature	50°C
Capacity empty at 2 bar (l/min)	DN 150 - 3333 l/min (200 m³/h); DN 200 - 5000 l/min (300 m³/h) DN 300 - 11333 l/min (680 m³/h); DN 350 - 15863 l/min (953 m³/h); DN 400 - 20250 l/min (1215 m³/h);
Life test	1.000 cycles from 0 to 10 bar

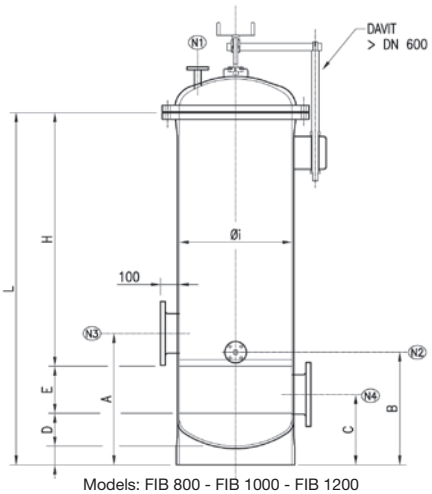
Cartridges	
N° cartridges	4 - 7 - 9 - 17 - 23 - 40
Type end caps	DOE CL
Inner diameter min./max.	114,3 mm (4,5”)
Outer diameter max.	152,4 mm (6”)
Height	40”

Applications
Water treatment

Code	Description	Height	N° cart.	In/Out	Diameter mm	Dimensions mm A	C	L	Quantity BOX	€/each
FIB400CL0440	FILTRO FIB 400 CL 4x40”	40”	4	DN 150	400	560	275	1700	1	€ 9.764,36
FIB500CL0740	FILTRO FIB 500 CL 7x40”	40”	7	DN 150	500	610	325	1750	1	€ 11.793,90
FIB600CL0940	FILTRO FIB 600 CL 9x40”	40”	9	DN 200	600	730	375	1850	1	€ 14.452,46
FIB800CL1740	FILTRO FIB 800 CL 17x40”	40”	17	DN 300	800	980	425	2150	1	€ 24.852,20
FIB1000CL2340	FILTRO FIB 1000 CL 23x40”	40”	23	DN 350	1000	1150	525	2350	1	€ 32.548,04
FIB1200CL4040	FILTRO FIB 1200 CL 40x40”	40”	40	DN 400	1200	1300	630	2530	1	€ 45.764,33



Models: FIB 400 - FIB 500 - FIB 600



Models: FIB 800 - FIB 1000 - FIB 1200

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Design code: EN 13121-3

ROC®

Reverse Osmosis Components

Fiberglass housings for filter cartridges FilterPlus

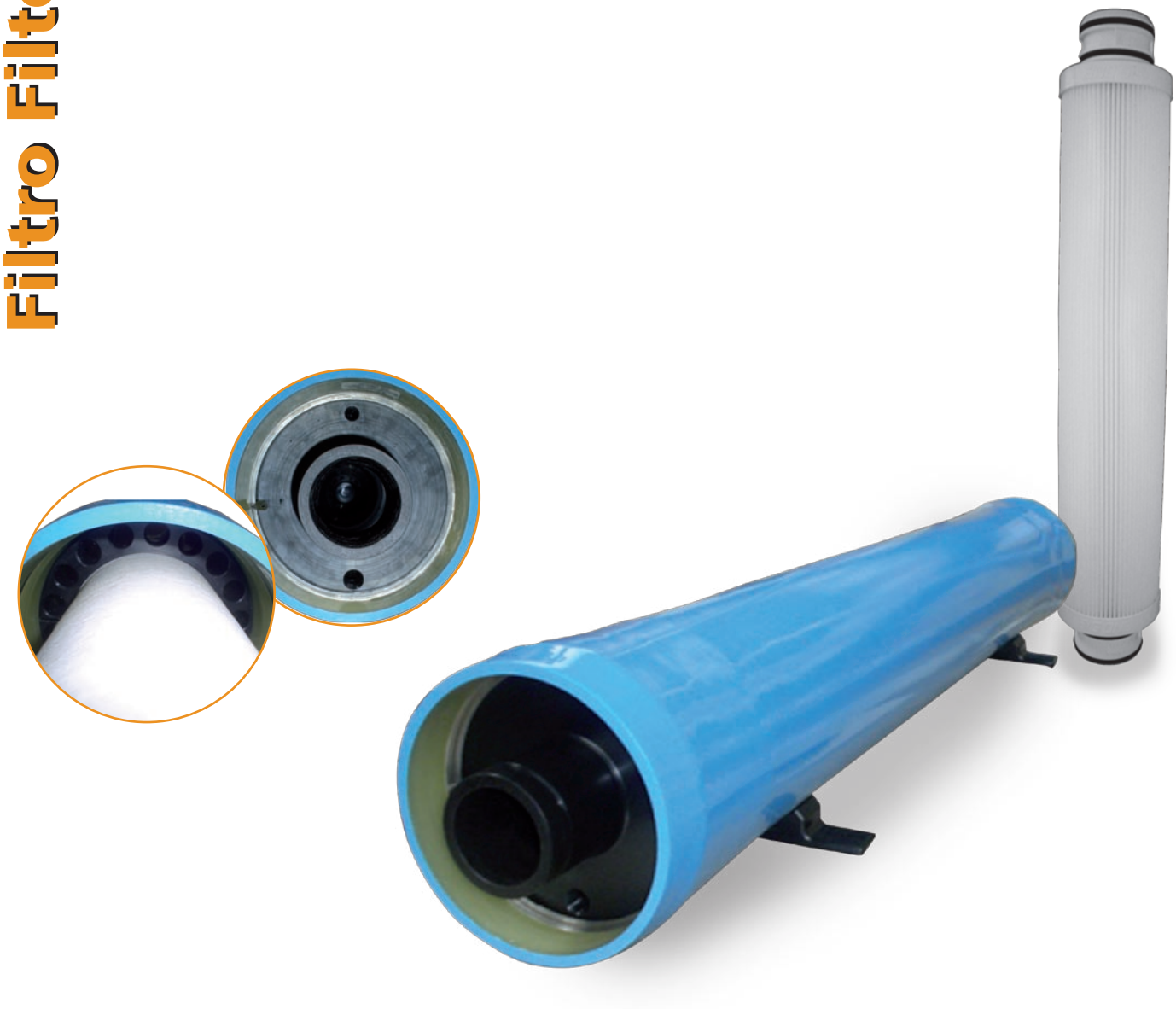
FIBREGLASS HOUSINGS

Filtro FilterPlus

The housings model FilterPlus are made in fibreglass and plastic materials to avoid any problem of corrosion.

Advantages

- *High flow rate*
- *High pressure resistance*
- *Vacuum resistant*
- *Corrosion resistant (ideal for sea water application)*
- *Easy installation*
- *Easy substitution of cartridges*
- *Small footprint thanks to horizontal installation in standard pressure vessel 8”*
- *Vertical installation available*



FIBREGLASS HOUSINGS

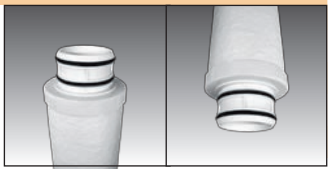
Filtro FilterPlus

Features	
Model	Filtro FILTERPLUS
Height	40” - 80”
In/Out	3” Victaulic
Vent	1/4” F BSP
Drain	1/2” F BSP

Material	
Body	Fibreglass FRP (isophtalic resin) Filament winding - Continuous winding
Body - Internal finishing	Fibreglass FRP (isophtalic resin)
End plug	PVC
Retaining ring	AISI 316 L
O-Ring	EPDM

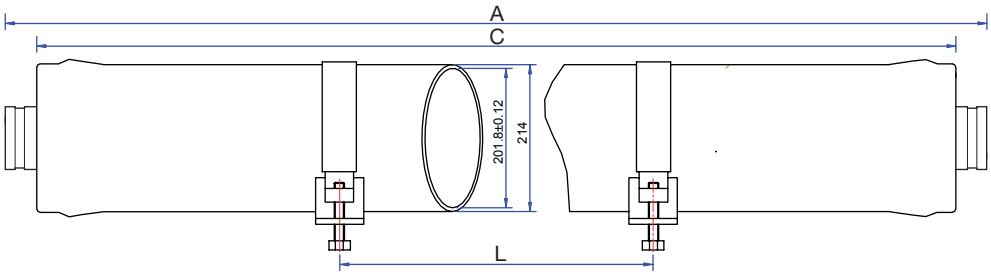
Design data	
Max working pressure	10 bar
Hydraulic test pressure	15 bar
Max working temperature	50°C
Capacity empty at 2 bar (l/min)	3” Victaulic - 1000 l/min (60 m³/h)
Life test	1.000 cycles from 0 to 10 bar

Cartridges	
N° cartridges	1 - 2
Type end caps	FIP
Inner diameter min./max.	76 mm (3”)
Outer diameter max.	147,5 mm (5,8”)
Height	40” - 2 x 40”

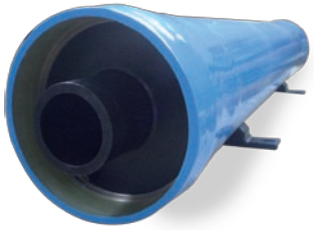


Applications
Water treatment

Code	Description	Height	N° cart.	In/Out	Diameter	Dimensions mm A	C	L	Quantity BOX	€/each
FIP0140	FILTRO FilterPlus 1x40”	40”	1	3” Victaulic	8”	1559	1499	711	1	€ 1.950,00
FIP0240	FILTRO FilterPlus 2x40”	80”	2	3” Victaulic	8”	2575	2515	1422	1	€ 2.650,00



Scope of supply	
Shell as ordered	**Color Blue No. 0146, equivalent RAL 5012**
Heads	n. 2 PVC
Saddles	n. 2 Polyurethane
Straps	n. 2 AISI 304 L
Support	n. 1 only vertical version



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***Design code**: EN 13121-3 - ASME X (for body)*

ROC®

Reverse Osmosis Components

Brass head housings for filter cartridges

BRASS HEAD HOUSINGS

Filtro OT

The Filtro OT line includes the three-piece containers with brass heads and rings, plastic sumps.
The line is suitable for products used in the semi-professional and the professional sector, where excellent performance is required due to the presence of chemicals and high working pressures and temperatures.
The Filtro OT comes with a transparent SAN or TROGAMID sump.
All containers are designed to hold standard filter cartridges measuring 5, 7, 9 3/4, 20 inches, with heads designed for wall mounting, and allow handling medium capacities.

BRASS HEAD HOUSINGS

Filtro OT

Features

Model	FILTRO OT	
Height	9”3/4 - 20”	5” - 7” *upon request*
In/Out	3/4”F - 1”F	1”1/4M - 1”1/2F - 2”F *upon request*

Material

Bowl	SAN / Trogamid
Head	*Brass*
Nut	*Brass*
O-Ring	NBR 70 Sh

Design data

Max working pressure	8 bar (SAN) / 12 bar (Trogamid)
Burst pressure	35 bar (SAN) / 50 bar (Trogamid)
Max working temperature	50°C (SAN) / 80°C (Trogamid)
Capacity empty at 2 bar (l/min)	3/4“F - 106 l/min; 1“F - 106 l/min; 1”1/4M - 216 l/min; 1”1/2F - 216 l/min; 2”F - 216 l/min;
Life test	*200.000 cycles from 0 to 10 bar*

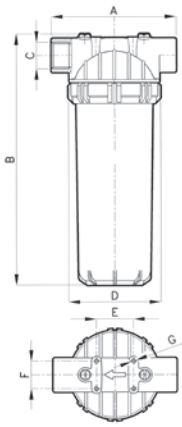
Cartridges

N° cartridges	1
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	9”3/4 - 20”

Applications

Water treatment

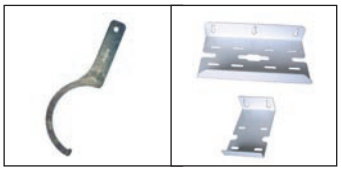
Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
A3010030	*OT - Brass head SAN transparent bowl*	9”3/4	3/4”F	150x310	12	25,99	€ 91,31
A3010040		20”	3/4”F	150x573	6	16,62	€ 135,41
A3010070		9”3/4	1”F	150x310	12	25,18	€ 91,31
A3010080		20”	1”F	150x573	6	16,05	€ 135,41
A3020030	*OT - Brass head - Trogamid transparent bowl*	9”3/4	3/4”F	150x310	12	25,99	€ 116,48
A3020070		9”3/4	1”F	150x310	12	25,18	€ 116,48



D: ø112
E: 45
F: 34
G: M5

Accessories

Code	Description	€/each
S3010070	*Metal wrench*	€ 6,71
PN020010	*Metal single bracket*	€ 3,80
PN020030	*Metal double bracket*	€ 6,71



ROC®

Reverse Osmosis Components

Stainless steel AISI 316 housings for filter cartridges

STAINLESS STEEL AISI 316 HOUSINGS

Filtro AISI 316

The Filtro AISI 316 line, completely made in stainless steel AISI 316, includes:
- filter housings for cartridges model standard
- filter housings for cartridges model FilterOne
- filter housings for cartridges model CL
- sanitary filter housings for cartridges model standard

Filter housings for cartridges model standard

Filter housings for cartridges model FilterOne

Filter housings for cartridges model CL

Sanitary filter housings for cartridges model standard

STAINLESS STEEL AISI 316 HOUSINGS

Filtro AX

Features	
Model	FILTRO AX
Height	9”3/4 - 20” - 30”
In/Out	3/4”F - 1”F

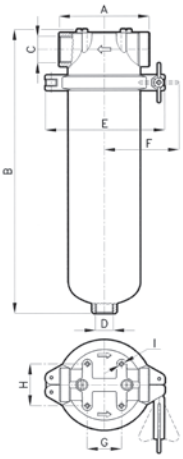
Material	
Bowl	AISI 316 L
Head	AISI 316 L
Clamp	AISI 316 L
O-Ring	VITON

Design data	
Max working pressure	15 bar
Burst pressure	60 bar
Max working temperature	100°C
Capacity empty at 2 bar (l/min)	3/4“F - 106 l/min; 1“F - 106 l/min;
Life test	200.000 cycles from 0 to 10 bar

Cartridges	
N° cartridges	1
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	9”3/4 - 20”

Applications
Water treatment

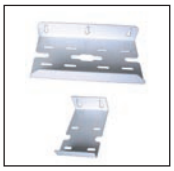
Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
A3030040	AISI 316 stainless steel head AISI 316 stainless steel bowl	9”3/4	3/4”F	110x354	1	2,74	€ 431,00
A3030050		9”3/4	1”F	110x354	1	2,64	€ 431,00
A3030060		20”	3/4”F	110x608	1	3,44	€ 586,47
A3030070		20”	1”F	110x608	1	3,34	€ 586,47
A3030080		30”	3/4”F	110x862	1	4,14	€ 809,32
A3030090		30”	1”F	110x862	1	4,04	€ 809,32



D: 1/2”
G: 42
H: 52
I: M6
E: 146

Accessories

Code	Description	€/each
PN020010	Metal single bracket	€ 3,80
PN020030	Metal double bracket	€ 6,71



STAINLESS STEEL AISI 316 HOUSINGS

Filtro AISI 316-3

Features	
Model	FILTRO AISI 316 - 3
Height	20” - 30” - 40”
In/Out	2”M

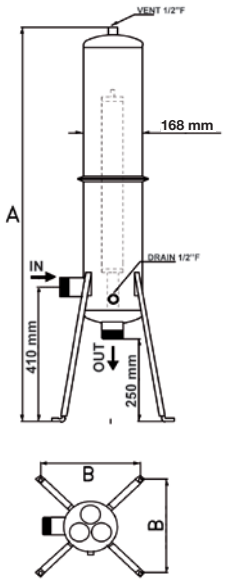
Material	
Body	AISI 316 L
Body - Internal / Outer finishing	Ceramic blasted
Clamp	AISI 316 L
Support	AISI 316 L
O-Ring	EPDM

Design data	
Max working pressure	10 bar
Hydraulic test pressure	15 bar
Max working temperature	80°C
Capacity empty at 2 bar (l/min)	2”M - 416 l/min (25 m³/h)
Life test	100.000 cycles from 0 to 10 bar

Cartridges	
N° cartridges	3
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	20” - 30” - 40”

Applications
Water treatment

Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
FMC316ST0320	FILTRO AISI 316 3x20”	20”	2”	1200x320	1	20	€ 1.141,44
FMC316ST0330	FILTRO AISI 316 3x30”	30”	2”	1500x320	1	21	€ 1.242,06
FMC316ST0340	FILTRO AISI 316 3x40”	40”	2”	1600x320	1	22	€ 1.344,33



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STAINLESS STEEL AISI 316 HOUSINGS

Filtro AISI 316-7

Features	
Model	FILTRO AISI 316 - 7
Height	20” - 30” - 40”
In/Out	2”1/2M

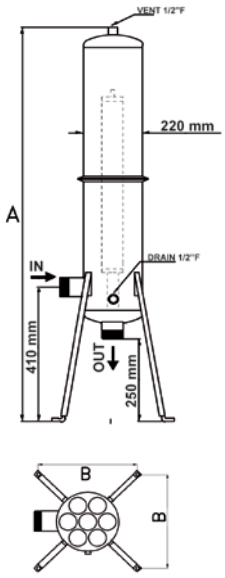
Material	
Body	AISI 316 L
Body - Internal / Outer finishing	Ceramic blasted
Clamp	AISI 316 L
Support	AISI 316 L
O-Ring	EPDM

Design data	
Max working pressure	10 bar
Hydraulic test pressure	15 bar
Max working temperature	80°C
Capacity empty at 2 bar (l/min)	2”1/2M - 583 l/min (35 m³/h)
Life test	100.000 cycles from 0 to 10 bar

Cartridges	
N° cartridges	7
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	20” - 30” - 40”

Applications
Water treatment

Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
FMC316ST0720	FILTRO AISI 316 7x20”	20”	2”1/2	1190x355	1	27	€ 1.571,96
FMC316ST0730	FILTRO AISI 316 7x30”	30”	2”1/2	1495x355	1	30	€ 1.649,48
FMC316ST0740	FILTRO AISI 316 7x40”	40”	2”1/2	1610x355	1	34	€ 1.725,36



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STAINLESS STEEL AISI 316 HOUSINGS

Filtro AISI 316

Features	
Model	FILTRO AISI 316
Height	40”
In/Out	DN 100 - DN 150

Material	
Body	AISI 316 L
Body - Internal / Outer finishing	*Ceramic blasted*
Clamps	FE C45
Support	AISI 316 L
O-Ring	EPDM

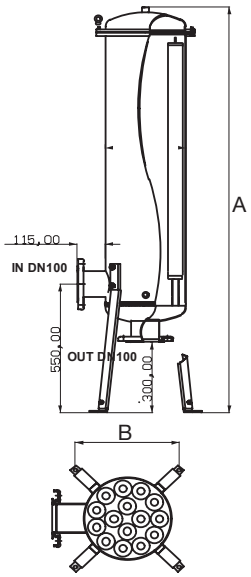
Design data	
Max working pressure	10 bar
Hydraulic test pressure	15 bar
Max working temperature	80°C
Capacity empty at 2 bar (l/min)	DN 100 - 1250 l/min (75 m³/h); DN 150 - 1833 l/min (110 m³/h)
Life test	*1.000 cycles from 0 to 10 bar*

Cartridges	
N° cartridges	15 - 22
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	40”

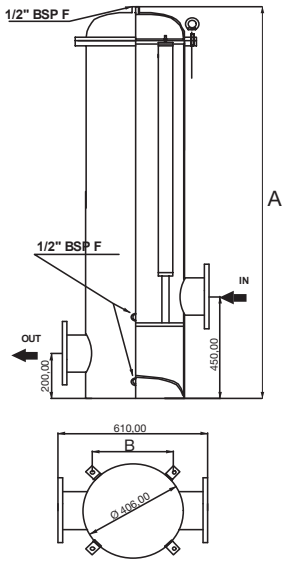
Applications
Water treatment

Code	Description	Height	N° cartridges	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
FMC316ST1540	FILTRO AISI 316 15x40”	40”	15	DN 100	1740x385	1	80	€ 4.395,10
FMC316ST2240	FILTRO AISI 316 22x40”	40”	22	DN 150	1730x330	1	138	€ 7.031,84

FILTRO AISI 316 15x40”



FILTRO AISI 316 22x40”



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- Article n. 9 fluid classification para 2.1-2.2-3
- Article n. 3 technical requirements para 1.1 and 1.2

STAINLESS STEEL AISI 316 HOUSINGS

Filtro AISI 316

Features	
Model	FILTRO AISI 316
Height	40”
In/Out	DN 150 - DN 200

Material	
Body	AISI 316 L
Body - Internal / Outer finishing	Ceramic blasted
Clamps	FE C45
Support	AISI 316 L
O-Ring	EPDM

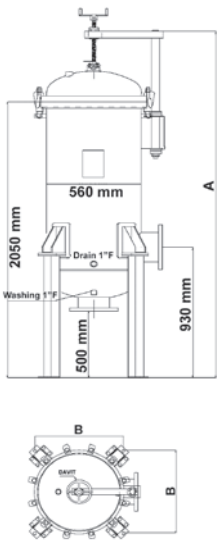
Design data	
Max working pressure	8 bar (40x40”) - 6,4 bar (60x40”)
Hydraulic test pressure	12 bar (40x40”) - 9,6 bar (60x40”)
Max working temperature	80°C
Capacity empty at 2 bar (l/min)	DN 150 - 3333 l/min (200 m³/h); DN 200 - 5000 l/min (300 m³/h)
Life test	1.000 cycles from 0 to 10 bar

Cartridges	
N° cartridges	40 - 60
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	40”

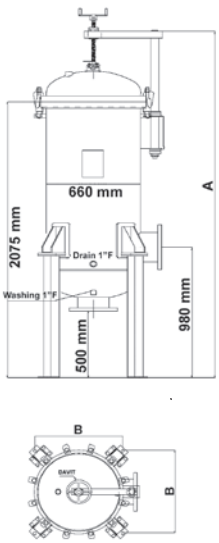
Applications
Water treatment

Code	Description	Height	N° cartridges	In/Out C	Dimensions AxB mm	Quantity BOX	€/each
FMC316ST4040	FILTRO AISI 316 40x40”	40”	40	DN 150	2540x650	1	Upon request
FMC316ST6040	FILTRO AISI 316 60x40”	40”	60	DN 200	2605x720	1	

FILTRO AISI 316 40x40”



FILTRO AISI 316 60x40”



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- Article n. 3 technical requirements para 1.1 and 1.2

***Certificates**: ASME VIII / P.E.D.*

STAINLESS STEEL AISI 316 HOUSINGS

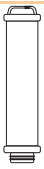
Filtro AISI 316 FilterOne

Features	
Model	FILTRO AISI 316 FilterOne
Height	23” - 40”
In/Out	DN 80

Material	
Body	AISI 316 L
Body - Internal / Outer finishing	Ceramic blasted
Clamp	AISI 316 L
Support	AISI 316 L
O-Ring	EPDM

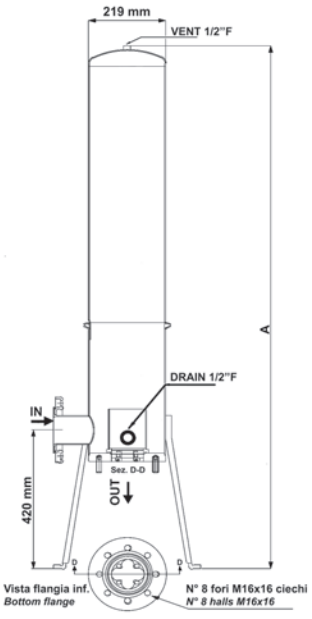
Design data	
Max working pressure	10 bar
Hydraulic test pressure	15 bar
Max working temperature	80°C
Capacity empty at 2 bar (l/min)	DN 80 - 1000 l/min (60 m³/h)
Life test	100.000 cycles from 0 to 10 bar

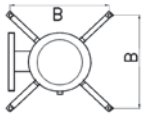
Cartridges	
N° cartridges	1
Type end caps	FON
Inner diameter	76 mm (3”)
Outer diameter	147,5 mm (5,8”)
Height	23” - 40”



Applications
Water treatment

Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
FMC316FON0123	FILTRO AISI 316 FilterOne 1x23”	23”	DN 80	1280x355	1	24	€ 1.679,00
FMC316FON0140	FILTRO AISI 316 FilterOne 1x40”	40”	DN 80	1600x355	1	28	€ 1.767,30





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- Article n. 3 technical requirements para 1.1 and 1.2

STAINLESS STEEL AISI 316 HOUSINGS

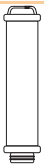
Filtro AISI 316 FilterOne

Features	
Model	FILTRO AISI 316 FilterOne
Altezza - *Height*	40”
Attacchi - *In/Out*	DN 150 - DN 200

Material	
Body	AISI 316 L
Body - Internal / Outer finishing	*Ceramic blasted*
Clamps	FE C45
Support	AISI 316 L
O-Ring	EPDM

Design data	
Max working pressure	8 bar (5x40”) - 6,4 bar (8x40”)
Hydraulic test pressure	12 bar (5x40”) - 9,6 bar (8x40”)
Max working temperature	80°C
Capacity empty at 2 bar (l/min)	DN 150 - 3333 l/min (200 m³/h); DN 200 - 5500 l/min (330 m³/h)
Life test	*1.000 cycles from 0 to 10 bar*

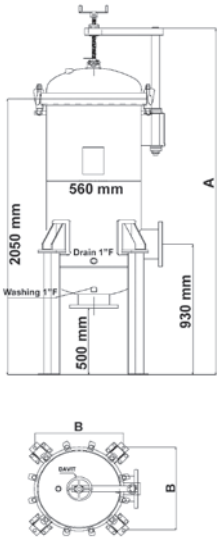
Cartridges	
N° cartridges	5 - 8
Type end caps	FON
Inner diameter	76 mm (3”)
Outer diameter	147,5 mm (5,8”)
Height	23” - 40”



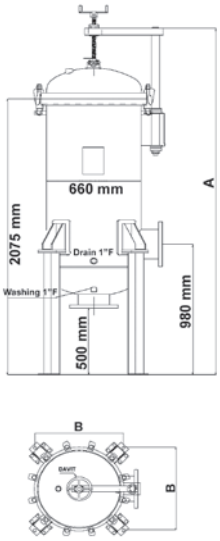
Applications
Water treatment

Code	Description	Height	N° cartridges	In/Out C	Dimensions AxB mm	Quantity BOX	€/each
FMC316FON0540	FILTRO AISI 316 FilterOne 5x40”	40”	5	DN 150	2540x650	1	*Upon request*
FMC316FON0840	FILTRO AISI 316 FilterOne 8x40”	40”	8	DN 200	2605x720	1	

FILTRO AISI 316 Filterone 5x40”



FILTRO AISI 316 Filterone 8x40”



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- Article n. 3 technical requirements para 1.1 and 1.2

***Certificates**: ASME VIII / P.E.D.*

STAINLESS STEEL AISI 316 HOUSINGS

Filtro AISI 316-CL

Features	
Model	FILTRO AISI 316 CL
Height	20” - 40”
In/Out	DN 80

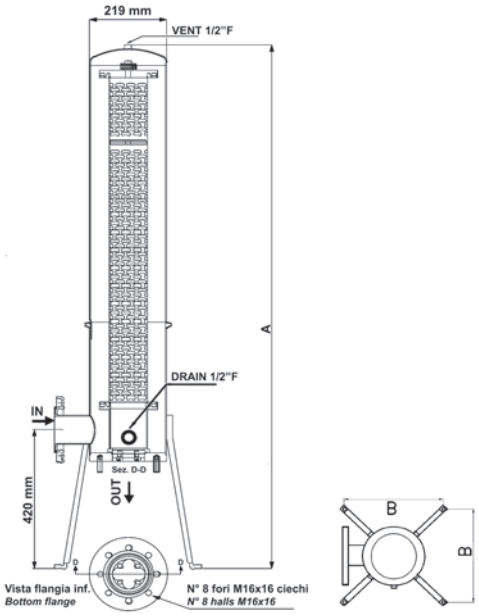
Material	
Body	AISI 316 L
Body - Internal / Outer finishing	Ceramic blasted
Clamp	AISI 316 L
Support	AISI 316 L
O-Ring	EPDM

Design data	
Max working pressure	10 bar
Hydraulic test pressure	15 bar
Max working temperature	80°C
Capacity empty at 2 bar (l/min)	DN 80 - 1000 l/min (60 m³/h)
Life test	100.000 cycles from 0 to 10 bar

Cartridges	
N° cartridges	1
Type end caps	DOE CL
Inner diameter	114,3 mm (4,5”)
Outer diameter	152,4 mm (6”)
Height	20” - 40”

Applications
Water treatment

Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
FMC316CL0120	FILTRO AISI 316 CL 1x20”	20”	DN 80	1200x355	1	33	€ 2.205,00
FMC316CL0140	FILTRO AISI 316 CL 1x40”	40”	DN 80	1600x355	1	44	€ 2.322,47



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- Article n. 3 technical requirements para 1.1 and 1.2

STAINLESS STEEL AISI 316 HOUSINGS

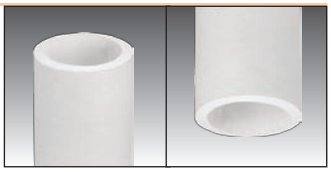
Filtro AISI 316-CL

Features	
Model	FILTRO AISI 316 CL
Height	40”
In/Out	DN 150 - DN 200

Material	
Body	AISI 316 L
Body - Internal / Outer finishing	Ceramic blasted
Clamps	FE C45
Support	AISI 316 L
O-Ring	EPDM

Design data	
Max working pressure	8 bar (5x40”) - 6,4 bar (8x40”)
Hydraulic test pressure	12 bar (5x40”) - 9,6 bar (8x40”)
Max working temperature	80°C
Capacity empty at 2 bar (l/min)	DN 150 - 3333 l/min (200 m³/h); DN 200 - 5500 l/min (330 m³/h)
Life test	1.000 cycles from 0 to 10 bar

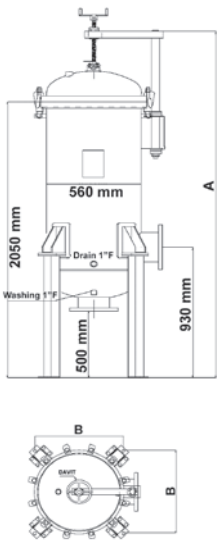
Cartridges	
N° cartridges	5 - 8
Type end caps	DOE CL
Inner diameter	114,3 mm (4,5”)
Outer diameter	152,4 mm (6”)
Height	40”



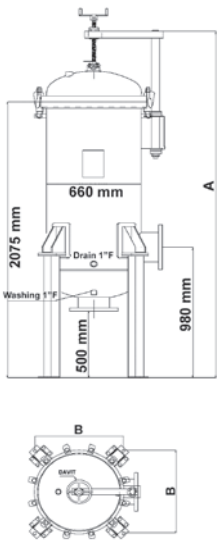
Applications
Water treatment

Code	Description	Height	N° cartridges	In/Out C	Dimensions AxB mm	Quantity BOX	€/each
FMC316CL0540	FILTRO AISI 316 CL 5x40”	40”	5	DN 150	2540x650	1	Upon request
FMC316CL0840	FILTRO AISI 316 CL 8x40”	40”	8	DN 200	2605x720	1	

FILTRO AISI 316 CL 5x40”



FILTRO AISI 316 CL 8x40”



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- Article n. 3 technical requirements para 1.1 and 1.2

***Certificates**: ASME VIII / P.E.D.*

STAINLESS STEEL AISI 316 HOUSINGS

Filtro ECO AISI 316-3

Features	
Model	FILTRO ECO AISI 316 - 3
Height	20” - 30” - 40”
In/Out	2”M

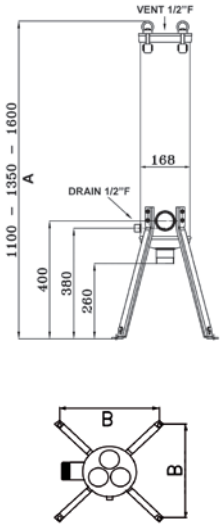
Material	
Body	AISI 316 L
Body - Internal / Outer finishing	Acid bath treated
Clamp	AISI 316 L
Support	AISI 316 L
O-Ring	EPDM

Design data	
Max working pressure	10 bar
Hydraulic test pressure	15 bar
Max working temperature	80°C
Capacity empty at 2 bar (l/min)	2”M - 416 l/min (25 m³/h)
Life test	100.000 cycles from 0 to 10 bar

Cartridges	
N° cartridges	3
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	20” - 30” - 40”

Applications
Water treatment

Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
FME316ST0320	FILTRO ECO AISI 316 3x20”	20”	2”	1100x350	1	19	€ 1.026,00
FME316ST0330	FILTRO ECO AISI 316 3x30”	30”	2”	1350x350	1	20	€ 1.118,00
FME316ST0340	FILTRO ECO AISI 316 3x40”	40”	2”	1600x350	1	21	€ 1.210,00



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- Article n. 3 technical requirements para 1.1 and 1.2

STAINLESS STEEL AISI 316 HOUSINGS

Filtro ECO AISI 316-7

Features	
Model	FILTRO ECO AISI 316 - 7
Height	20” - 30” - 40”
In/Out	2”1/2M

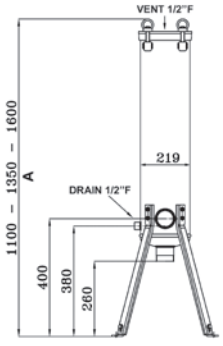
Material	
Body	AISI 316 L
Body - Internal / Outer finishing	Acid bath treated
Clamp	AISI 316 L
Support	AISI 316 L
O-Ring	EPDM

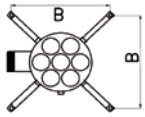
Design data	
Max working pressure	10 bar
Hydraulic test pressure	15 bar
Max working temperature	80°C
Capacity empty at 2 bar (l/min)	2”1/2M - 583 l/min (35 m³/h)
Life test	100.000 cycles from 0 to 10 bar

Cartridges	
N° cartridges	7
Type end caps	DOE
Inner diameter min./max.	26 mm / 30 mm
Outer diameter max.	70 mm
Height	20” - 30” - 40”

Applications
Water treatment

Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
FME316ST0720	FILTRO ECO AISI 316 7x20”	20”	2”1/2	1100x385	1	26	€ 1.415,00
FME316ST0730	FILTRO ECO AISI 316 7x30”	30”	2”1/2	1350x385	1	29	€ 1.485,00
FME316ST0740	FILTRO ECO AISI 316 7x40”	40”	2”1/2	1600x385	1	33	€ 1.553,00





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- Article n. 3 technical requirements para 1.1 and 1.2

STAINLESS STEEL AISI 316 HOUSINGS

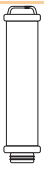
Filtro ECO AISI 316 FilterOne

Features	
Model	FILTRO ECO AISI 316 FilterOne
Height	23” - 40”
In/Out	DN 80

Material	
Body	AISI 316 L
Body - Internal / Outer finishing	Acid bath treated
Clamp	AISI 316 L
Support	AISI 316 L
O-Ring	EPDM

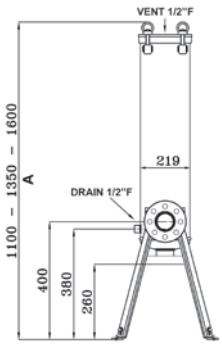
Design data	
Max working pressure	10 bar
Hydraulic test pressure	15 bar
Max working temperature	80°C
Capacity empty at 2 bar (l/min)	DN 80 - 1000 l/min (60 m³/h)
Life test	100.000 cycles from 0 to 10 bar

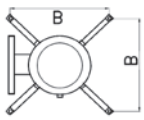
Cartridges	
N° cartridges	1
Type end caps	FON
Inner diameter	76 mm (3”)
Outer diameter	147,5 mm (5,8”)
Height	23” - 40”



Applications
Water treatment

Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
FME316FO0123	FILTRO ECO AISI 316 FilterOne 1x23”	23”	DN 80	1100x385	1	23	€ 1.511,00
FME316FO0140	FILTRO ECO AISI 316 FilterOne 1x40”	40”	DN 80	1600x385	1	27	€ 1.590,00





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- Article n. 3 technical requirements para 1.1 and 1.2

STAINLESS STEEL AISI 316 HOUSINGS

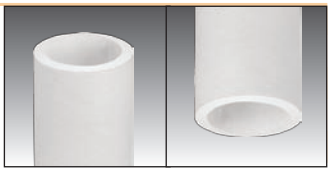
Filtro ECO AISI 316 CL

Features	
Model	FILTRO ECO AISI 316 CL
Height	20” - 40”
In/Out	DN 80

Material	
Body	AISI 316 L
Body - Internal / Outer finishing	Acid bath treated
Clamp	AISI 316 L
Support	AISI 316 L
O-Ring	EPDM

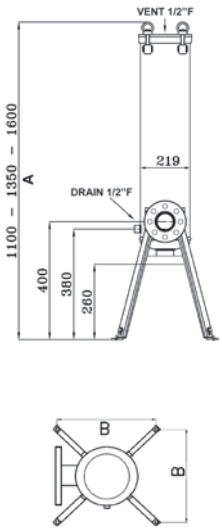
Design data	
Max working pressure	10 bar
Hydraulic test pressure	15 bar
Max working temperature	80°C
Capacity empty at 2 bar (l/min)	DN 80 - 1000 l/min (60 m³/h)
Life test	100.000 cycles from 0 to 10 bar

Cartridges	
N° cartridges	1
Type end caps	DOE CL
Inner diameter	114,3 mm (4,5”)
Outer diameter	152,4 mm (6”)
Height	20” - 40”



Applications
Water treatment

Code	Description	Height	In/Out C	Dimensions AxB mm	Quantity BOX	Kg	€/each
FME316CL0120	FILTRO ECO AISI 316 CL 1x20”	20”	DN 80	1100x385	1	32	€ 1.985,00
FME316CL0140	FILTRO ECO AISI 316 CL 1x40”	40”	DN 80	1600x385	1	43	€ 2.090,00



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- Article n. 3 technical requirements para 1.1 and 1.2

STAINLESS STEEL AISI 316 HOUSINGS

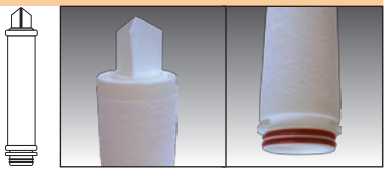
Filtro AISI 316 PH

Features	
Model	FILTRO AISI 316 PH
Height	(9”3/4) - 10” - 20” - 30” - 40”
In/Out	Weld - DIN 11851 - Clamp - Flanges DIN 2633

Material	
Body	AISI 316 L
Body - Internal / Outer finishing	Mechanical polishing (RA < 0,8 micron)
Clamp	AISI 316 L
Support	AISI 316 L
O-Ring	Silicon

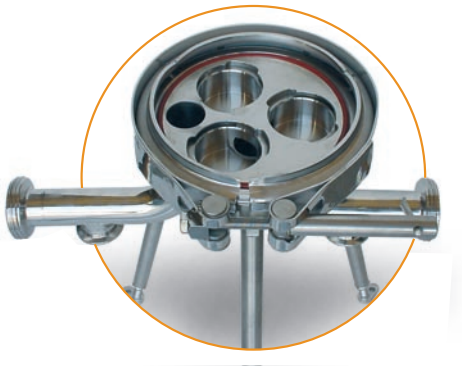
Design data	
Max working pressure	10 bar
Hydraulic test pressure	14,5 bar
Max working temperature	80°C
Life test	100.000 cycles from 0 to 10 bar

Cartridges	
N° cartridges	1 - 3 - 5 - 8 - 12 - 18 - 24 -30
Type end caps	Code 7 (226 - O-ring/spear)
Inner diameter	30 mm
Outer diameter	70 mm
Height	(9”3/4) - 10” - 20” - 30” - 40”



Cartridges	
N° cartridges	1 - 3 - 5 - 8 - 12 - 18 - 24 -30
Type end caps	Code 8 (222 - O-ring/spear)
Inner diameter	30 mm
Outer diameter	70 mm
Height	(9”3/4) - 10” - 20” - 30” - 40”

Applications
Water treatment



European Community members only

Certificates: *P.E.D.*

NOTE