Mitra Makmur Jaya

Your Irrigation Solution

irritec®

don't wait for rain

FILTRATION CATALOG

«We want to simplify the life of those caring for plants, for work and for passion. We work so that every drop is used wisely, reducing the ecological footprint and resource waste to a minimum.»

INDEX

PLASTIC FILTERS

Irritec® filters provide the best protection for any irrigation system. Their simple, safe construction is the result of meticulous manufacturing processes and minimises the need for maintenance. Highly resistant to pressure variations and external stresses, the filters stand out for their robust and flexible filter element.
Water-tightness is guaranteed even at high pressure and the specially designed elements ensure maximum eficiency of filtration. The range of filtration grades available (20 to 450 mesh) caters for every type of filtration application.

T filter
Constructed in polyamide reinforced with fibreglass, Irritec® Rotofilters and T-shaped filters can be installed either in-line or at an angle. Two different sealing systems, filter elements of various types and dimensions and available filtration grades give a wide selection,
resulting in the most suitable system for every filtration need for irrigation.

Twin filter
The new Irritec® Rotofilters Twin, in polyamide reinforced with fibreglass, is distinguished by its large filter surface. The sealing system with stainless steel band guarantees perfect water tightness, and is extremely practical for maintenance. Filter elements of various types and dimensions and available filtration grades give a wide selection, resulting in the most suitable system for every filtration need for irrigation.

Y Filters
Irritec® filters allow excellent filtration protection to be obtained for any type of irrigation system.
They have a structure that allows simple installation, even in inconvenient locations. Irritec® filters do not require extraordinary maintenance, they are compact, light and are long-lasting. They can withstand pressure variations and external stress in the field. Nothing in the design is left to chance. Design carefully included mechanical strength to produce a robust and flexible product. They come with a wide variety of filtering solutions such as cartridges with disk, screened in stainless steel or polyester.
Furthermore, the vast range of finishing grades available (from 20 to 450 mesh) increases and improves filtration capacity.
It is di翻 cult not to find a product in the Irritec Y filters range that does not meet the needs of every irrigation application.

Automatic filters
The automatic Rotodisk® filter is made of polyamide reinforced with fibreglass, and is fitted with a special mechanical-hydraulic system which gives automatic backwashing. Automatic Rotodisk® filters, appropriately installed in series with hydrovalves and centralised control, allow the irrigation cycle to run continuously, reducing water wastage and labour necessary for the maintenance of a filtration station. Available in single or double head versions with flow capacity of 24 to 64 m^3/h. The vast range of collectors available (from 3” to 12”) and the various configurations possible (from 2 to 14 filters) can handle flow capacity up to 640 m^3/h.

PLASTIC FILTERS - “T” FILTER MODEL “G”

ROTO Filters™

TGG/TGF

Applications
Secondary filtration, safety filtration. The disk filter allows high efficiency and filtration precision. It can be installed in wells or outdoors thanks to the excellent UV ray resistance.

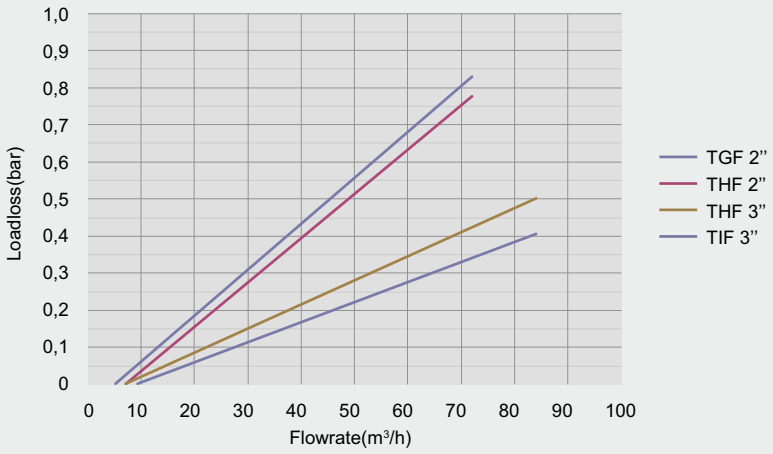
Materials
- Body: polyamide reinforced with fibre glass
- Cover: polyamide reinforced with fibre glass
- Closure element: polyamide ring nut
  ring in stainless steel AISI 304
- Filtering element:
  - mesh in stainless steel AISI 304 with polypropylene structure;
  - mesh in polyester with structures in stainless steel AISI 304;
  - polypropylene disks.
- Gaskets: NBR
- Disks support: glass reinforced polyamide.

Characteristics
- Maximum working pressure: 10 bar at 20° .
- Standard filtration grade: 120 mesh
  (filtration available: 50, 80, 150, 200 mesh).
- Types of connection: threaded, victaulic or combined.
- Manometer coupling: Ø1/4” female.
- Installation: on line or at right angle.

TGG
with ring nut

TGF
with S.S. ring

Load loss*



Testing for load loss was carried out with clean water.

PLASTIC FILTERS - "T" FILTER MODEL "G"

ROTO Filters™

TGG/TG

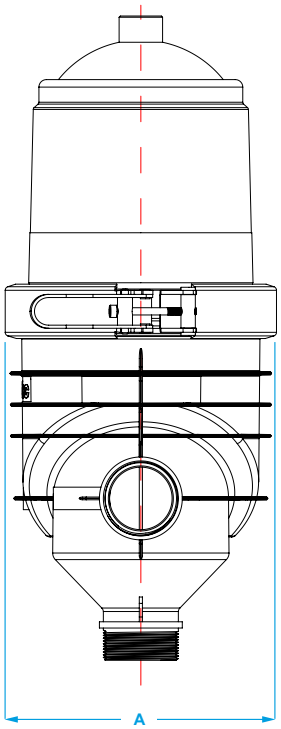
Technical data

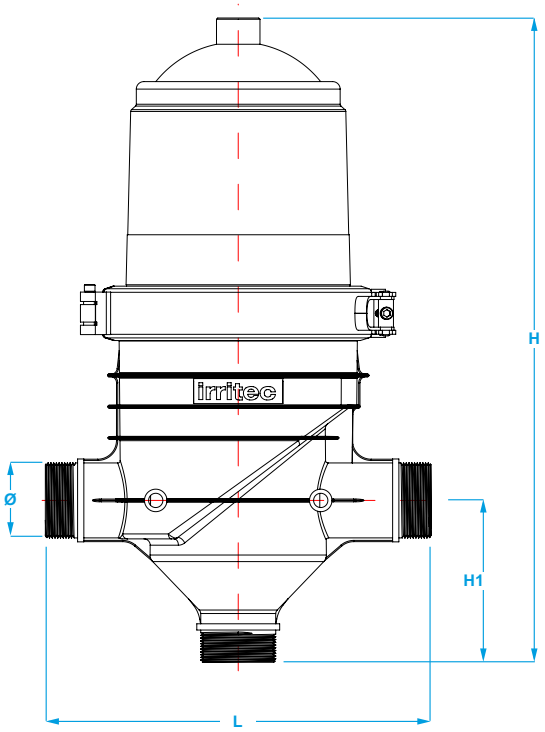
Couplings	Pricelist ref.	Filtering cartridge	Rec.max.flow rate (m^3/h)	Filtration area (cm^2)
2"	**IFTG#GIL**	s.s.	30	916
	IFTG#GDL	disk		
	IFTG#GEL	rotodisk™		

Replace # with **G** (ringnut) or **F** (ring)

Dimensions

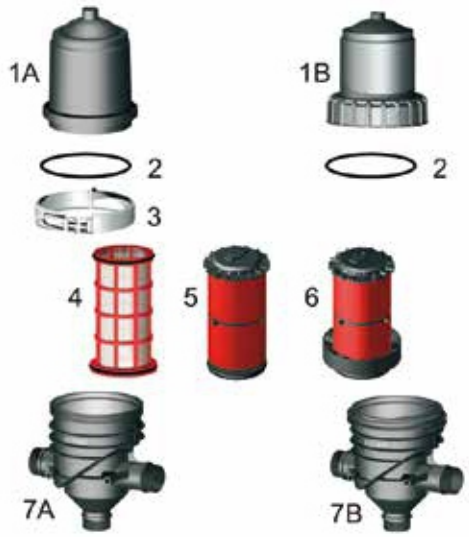
Ø (inches)	L(mm)	A(mm)	H(mm)	H1(mm)	Weight (kg)**TGG**	Weight (kg)**TGF**
2"	327	250	510	130	5,7	5,3





Components

Number	Description
1A	stainless steel ring cover
1B	ring nut cover
2	or cover
3	stainless steel closure ring
4	complete stainless steel screen cartridge
5	complete stainless steel disk cartridge
6	Rotodisk®cartridge (with propeller)
7A	closure body withring
7B	closure body with ring nut



PLASTIC FILTERS - "T" FILTER MODEL "H"

ROTO Filters™

THG/THF

Applications
Secondary filtration, safety filtration. The disk filter allows high efficiency and filtration precision. Thanks to the excellent UV ray resistance, it can be installed outdoors without any protection.

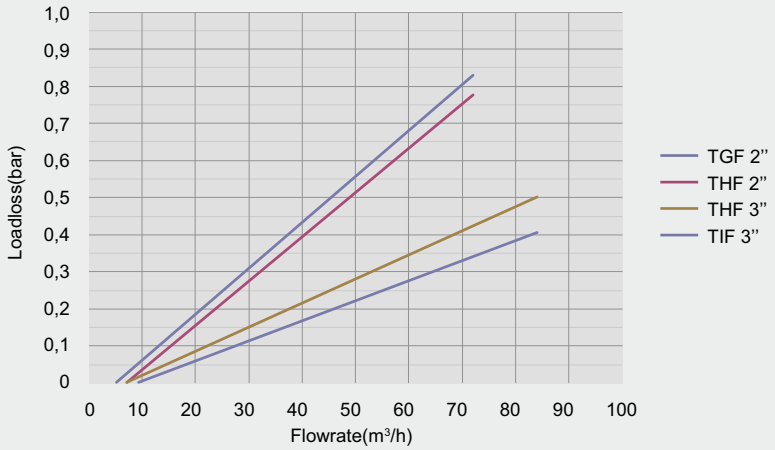
Materials
- Body: polyamide reinforced with fibre glass
- Cover: polyamide reinforced with fibre glass
- Closure elements:
  - polyamide ring nut
  - ring in stainless steel AISI 304
- Filtering element:
  - mesh in stainless steel AISI 304 with polypropylene structure;
  - mesh in polyester with structures in stainless steel AISI 304;
  - polypropylene disks.
- Gaskets: NBR
- Disks support: glass reinforced polyamide.

Characteristics
- Maximum working pressure: 10 bar at 20° .
- Standard filtration grade: 120 mesh (filtration available: 50, 80, 150, 200 mesh).
- Types of connection: threaded, victaulic or combined.
- Manometer coupling: Ø1/4" female.
- Installation: on line or at right angle.

THG
with ring nut

THF
with S.S. ring

Load loss*



Testing for load loss was carried out with clean water.

PLASTIC FILTERS - “T” FILTER MODEL “H”

THG/THF

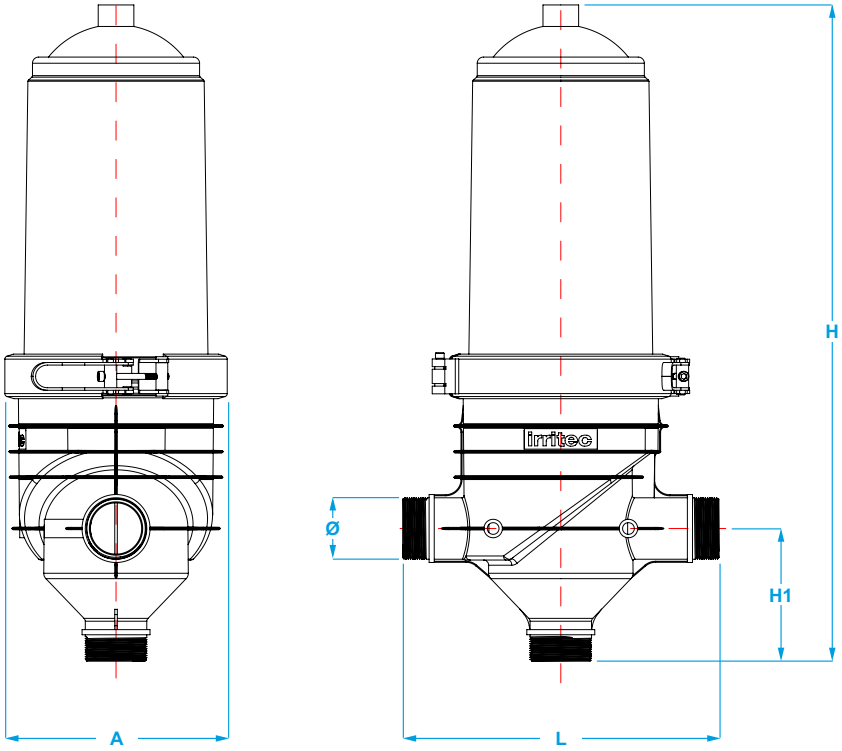
Technical data

Couplings	Pricelist ref.	Filtering cartridge	Rec.max.flow rate (m^3/h)	Filtration area (cm^2)
2"	IFTH#GIL	s.s.	30	1402
	IFTH#GDL	disk		
	IFTH#GEL	Rotodisk™		
3"	IFTH#IIL	s.s.	50	1402
	IFTH#IDL	disk		
	IFTH#IEL	Rotodisk™		

Replace # with **G** (ring nut) or **F** (ring)

Dimensions

Ø (inches)	L(mm)	A(mm)	H(mm)	H1(mm)	Weight (kg)**THG**	Weight (kg)**THF**
2"	327	250	660	130	7	6,6
3"	327	250	660	140	7,4	7



Components

Number	Description
1A	stainless steel ring cover
1B	ring nut cover
2	orc over
3	stainless steel closure ring
4	complete stainless steel screen cartridge
5	complete stainless steel disk cartridge
6	Rotodisk® cartridge (with propeller)
7A	closure body withring
7B	closure body with ri ng nut

PLASTIC FILTERS - “T” FILTER MODEL “I”

TIG/TIF

Applications
Secondary filtration, safety filtration. The disk filter allows high efficiency and filtration precision. Thanks to the excellent UV ray resistance, it can be installed outdoors without any protection.

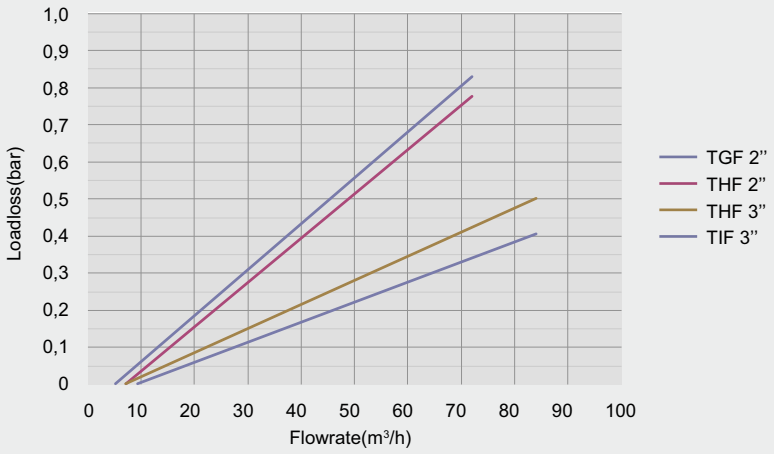
Materials
- Body: polyamide reinforced with fibre glass
- Cover: polyamide reinforced with fibre glass
- Closure elements:
  - polyamide ring nut
  - ring in stainless steel AISI 304
- Filtering element:
  - mesh in stainless steel AISI 304 with polypropylene structure;
  - polypropylene disks.
- Gaskets: NBR

Characteristics
- Maximum working pressure: 10 bar at 20° .
- Standard filtration grade: 120 mesh (filtration available: 50, 80, 150, 200 mesh).
- Types of connection: threaded, victaulic or combined.
- Manometer coupling: Ø1/4” female.
- Installation: on line or at right angle.

TIG
with ring nut

TIF
with S.S. ring

Load loss*



Testing for load loss was carried out with clean water.

PLASTIC FILTERS - "T" FILTER MODEL "I"

TIG/TIF

ROTO Filters™

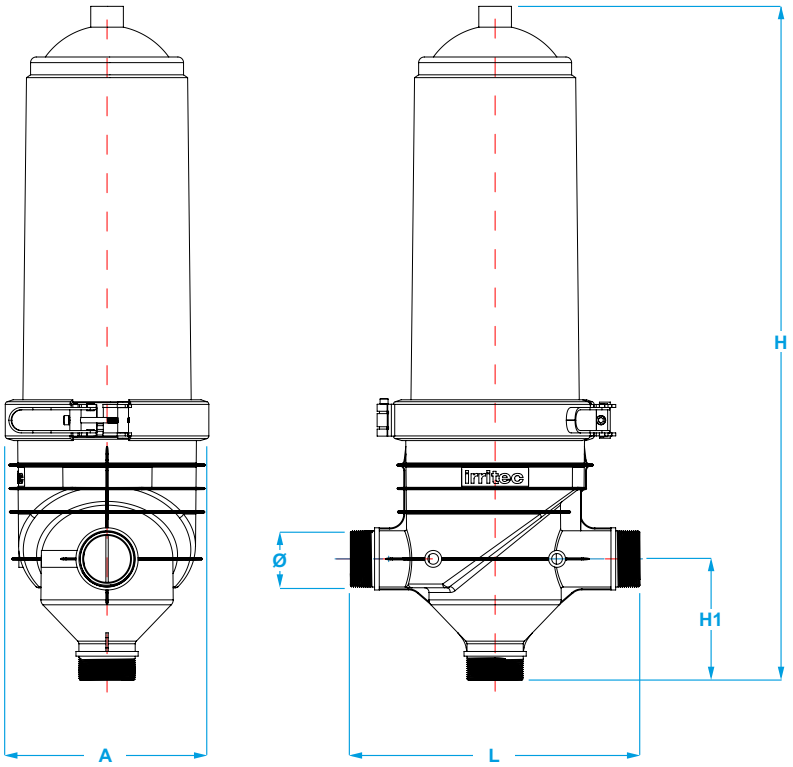
Technical data

Couplings	Pricelist ref.	Filtering cartridge	Rec.max.flow rate (m^3/h)	Filtration area (cm^2)
3"	**IFTI#IIL**	s.s.	50	1868
	IFTI#IDL	disk		
	IFTI#IEL	Rotodisk™		

Replace # with **G** (ring nut) or **F** (ring)

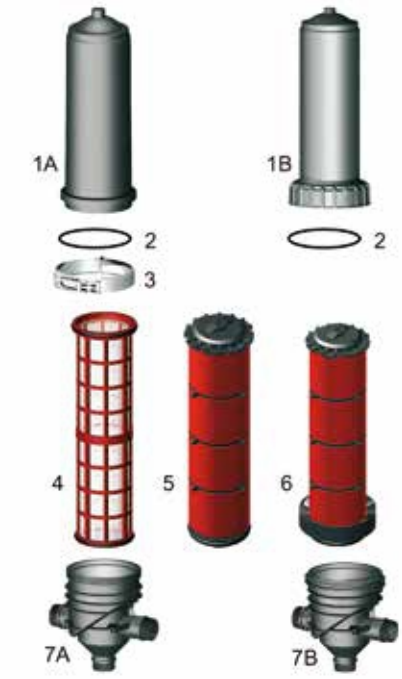
Dimensions

Ø (inches)	L(mm)	A(mm)	H(mm)	H1(mm)	Weight (kg)**TIG**	Weight (kg)**TIF**
3"	327	250	790	140	8,4	8



Components

Number	Description
1A	stainless steel ring cover
1B	ring nut cover
2	or cover
3	stainless steel closure ring
4	complete stainless steel screen cartridge
5	complete stainless steel disk cartridge
6	Rotodisk® cartridge (with propeller)
7A	closure body with ring
7B	closure body with ring nut



PLASTIC FILTERS - TWIN FILTER MODEL "H"

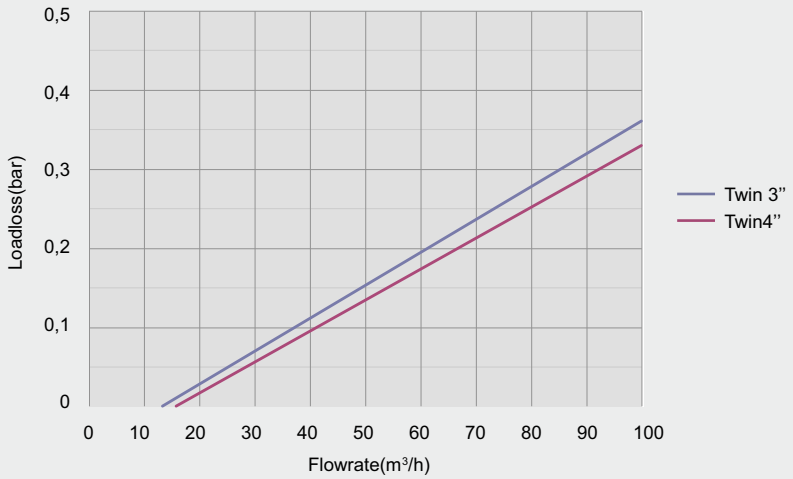
DHF

Applications
Secondary filtration, safety filtration. The disk filter allows high efficiency and filtration precision.

Materials
- Body: polyamide reinforced with fibre glass
- Cover: polyamide reinforced with fibre glass
- Closure element: stainless steel ring AISI 304
- Filtering element:
  - mesh in stainless steel AISI 304 with polypropylene structure;
  - mesh in polyester with structures in stainless steel AISI 304;
  - polypropylene disks.
- Gaskets: NBR

Characteristics
- Maximum working pressure: 10 bar at 20° .
- Standard filtration grade: 120 mesh (filtration available: 50, 80, 120, 150, 200 mesh).
- Types of connection: threaded, victaulic or flanged.
- Manometer coupling: Ø1/4" female.
- Installation: on line.

Load loss



**Testing for load loss was carried out with clean water.*

PLASTIC FILTERS - TWIN FILTER MODEL "H"

ROTO Filters Twin

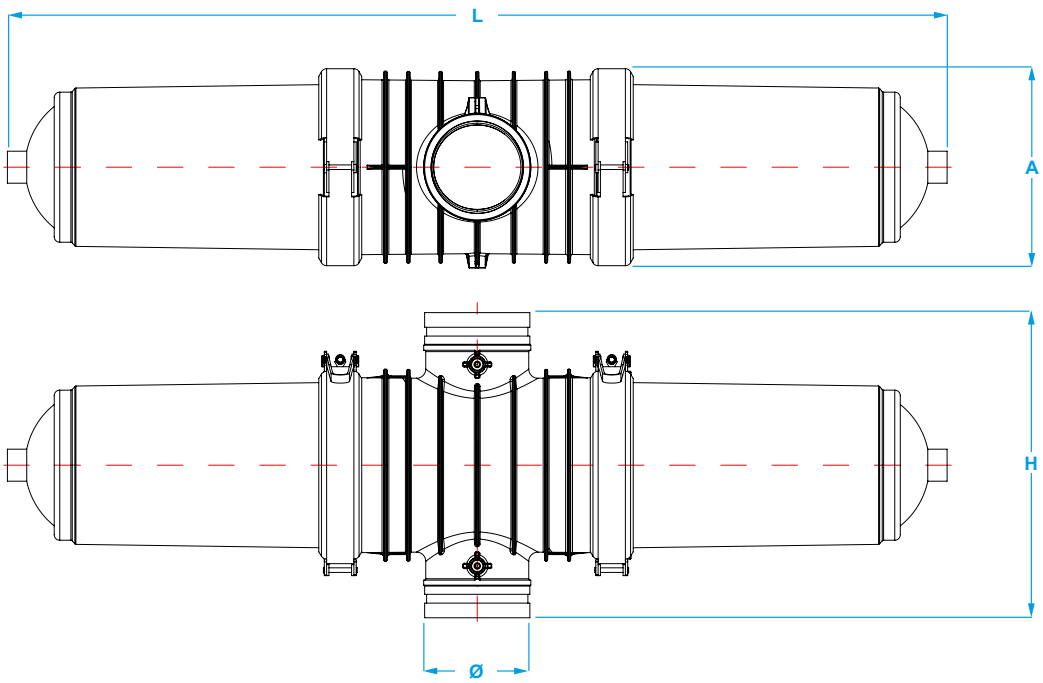
DHF

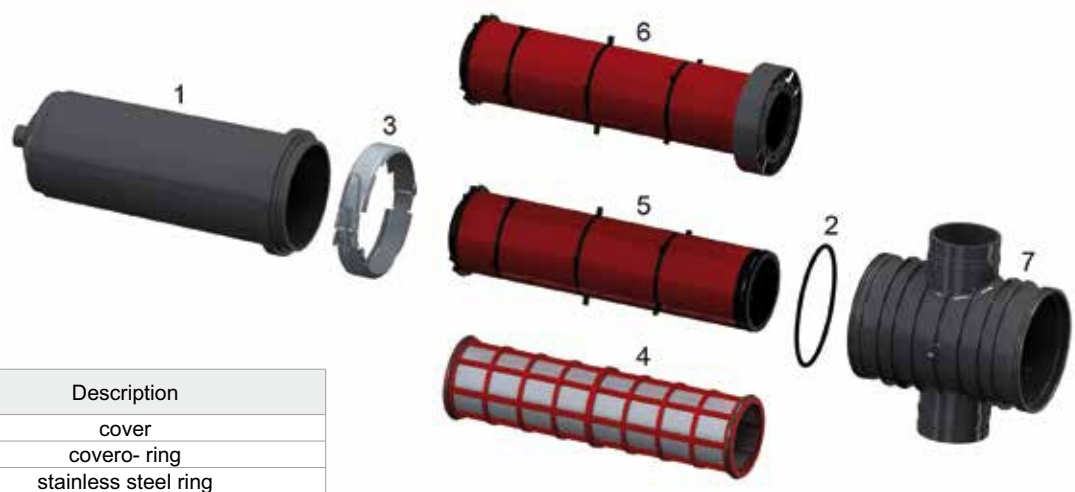
Technical data

Couplings	Pricelist ref.	Filtering cartridge	Bypasses	Rec.max. flowrate (m^3/h)	Filtration area(cm^2)
3"	**IFDHFIILM2F0N**	s.s.	threaded	50	2804
	IFDHFIDLM2F0N	disk			
	IFDHFIELM2F0N	Rotodisk™			
	IFDHFIILW0F0N	s.s.	victaulic	50	2804
	IFDHFIDLW0F0N	disk			
	IFDHFIELW0F0N	Rotodisk™			
DN80	**IFDHFIILF0F0N**	s.s.	flanged	50	2804
	IFDHFIDLF0F0N	disk			
	IFDHFIELF0F0N	Rotodisk™			

Dimensions

Ø (inches)	L(mm)	A(mm)	H(mm)	Weight(kg)
3"	1020	250	330	14,40
DN80	1020	250	330	15,20





Components

Number	Description
1	cover
2	covero- ring
3	stainless steel ring
4	complete stainless steel screen cartridge
5	complete stainless steel disk cartridge
6	Rotodisk® cartridge (with propeller)
7	twin filter body

PLASTIC FILTERS - TWIN FILTER MODEL "I"

ROTO Filters™ Twin

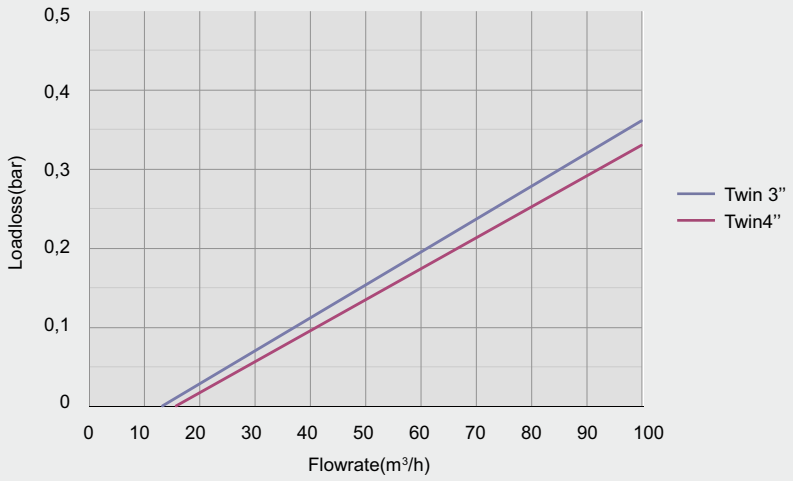
DIF

Applications
Secondary filtration, safety filtration. The disk filter allows high efficiency and filtration precision. Thanks to the excellent UV ray resistance, it can be installed outdoors without any protection.

Materials
- Body: polyamide reinforced with fibre glass
- Cover: polyamide reinforced with fibre glass
- Closure element: stainless steel ring AISI 304
- Filtering element:
  - mesh in stainless steel AISI 304 with polypropylene structure;
  - polypropylene disks.
- Gaskets: NBR
- Disks support: glass reinforced polyamide.

Characteristics
- Maximum working pressure: 10 bar at 20° .
- Standard filtration grade: 120 mesh (filtration available: 50, 80, 120, 150, 200 mesh).
- Types of connection: threaded, victaulic or flanged.
- Manometer coupling: Ø1/4'' female.
- Installation: on line.

Load loss*



*Testing for load loss was carried out with clean water.

PLASTIC FILTERS - TWIN FILTER MODEL "I"

DIF

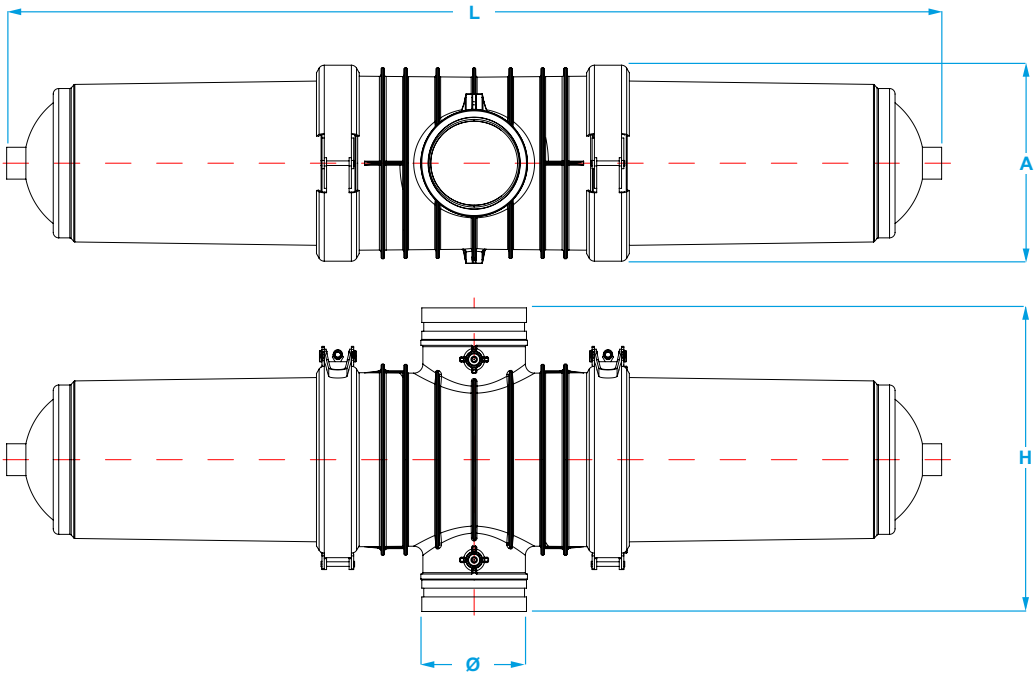
ROTO Filters Twin

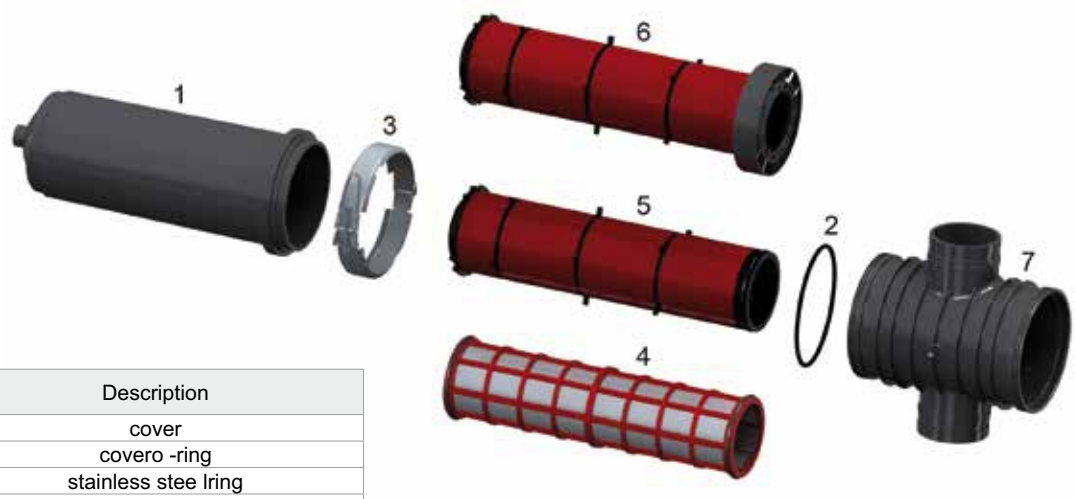
Technical data

Couplings	Pricelist ref.	Filtering cartridge	Bypasses	Rec.max. flowrate (m^3/h)	Filtration area(cm^2)
4"	**IFDIFLILM2F0N**	s.s.	threaded	100	3736
	IFDIFLDLM2F0N	disk			
	IFDIFLELM2F0N	Rotodisk™			
	IFDIFLILW0F0N	s.s.	victaulic	100	3736
	IFDIFLDLW0F0N	disk			
	IFDIFLELW0F0N	Rotodisk™			
DN100	**IFDIFLILF0F0N**	s.s.	flanged	100	3736
	IFDIFLDLF0F0N	disk			
	IFDIFLELF0F0N	Rotodisk™			

Dimensions

Ø (inches)	L(mm)	A(mm)	H(mm)	Weight(kg)
4"	1265	250	345	15,10
4"	1265	250	390	15,10
4"	1265	250	390	16,20





Components

Number	Description
1	cover
2	covero -ring
3	stainless stee lring
4	complete stainless steel screen cartridge
5	complete stainless steel disk cartridge
6	massa Rotodisk® completa (conelica)
7	twin filter body

PLASTIC FILTERS - ON LINE FILTER MODEL “C”

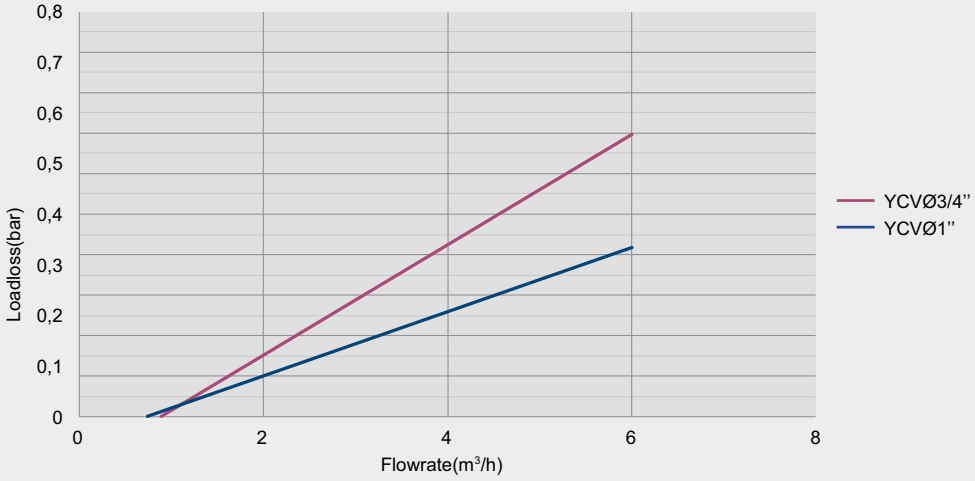
YCV

Applications
Secondary filtration in systems for irrigation, safe filtration. It can be installed in wells, outdoors or on fertigation machines.

Materials
- Body: polypropylene
- Cover: polypropylene
- Filtering element:
  - mesh in stainless steel AISI 304 with polypropylene structure
  - polyester mesh with polypropylene structure
- Gaskets: NBR

Characteristics
- Maximum working pressure: 10 bar at 20° .
- Standard filtration grade: 120 mesh (filtration available: 30, 50, 80.120, 150, 200 mesh).
- Standard bypass: male threaded [BSP and NPT].
- The filter can be supplied with the cover fitted (no discharge) or punched ((with discharge) with threaded cap.
- Resists acids and fertilisers commonly used in agriculture.

Load loss*



Testing for load loss was carried out with clean water.

PLASTIC FILTERS - ON LINE FILTER MODEL "C"

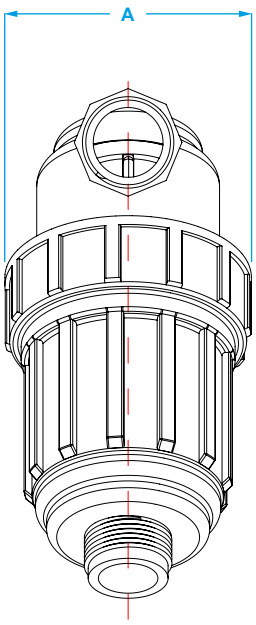
YCV

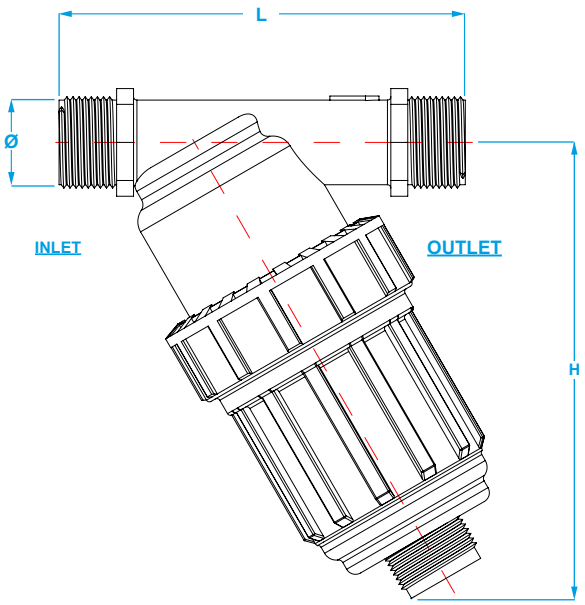
Technical data

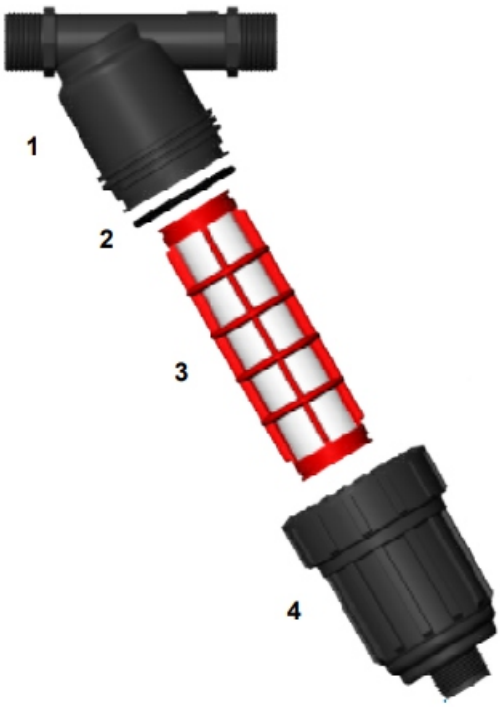
Couplings	Pricelist ref.	Filtering cartridge	Rec.max.flow rate(m^3/h)	Filtration area(cm^2)
3/4"	**IFYCVCIL**	s.s.	5	100
	IFYCVCPL	polyester		
1"	**IFYCVDIL**	s.s.	5	100
	IFYCVDPL	polyester		

Dimensions

Ø (inches)	L(mm)	A(mm)	H(mm)	Weight(g)
3/4"	123	72	135	160
1"	123	72	135	160







Components

Number	Description
1	filter body
2	body gasket
3	complete filtering cartridge
4	cover

PLASTIC FILTERS - ON LINE FILTER MODEL “D”

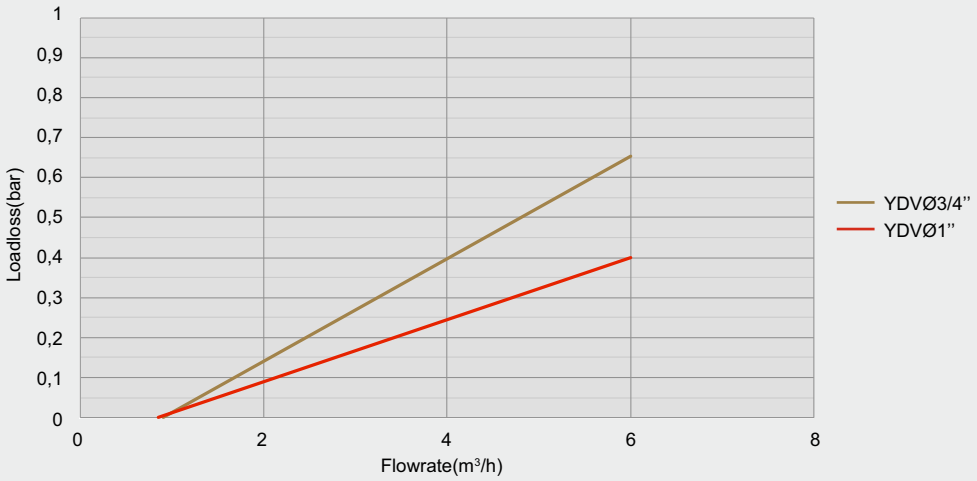
YDV

Applications
Secondary filtration in systems for irrigation, safe filtration. The disk filter allows high efficiency and filtration precision. It can be installed in wells, outdoors or on fertigation machines.

Materials
• Body: polypropylene
• Cover: polypropylene
• Filtering element:
 - mesh in stainless steel AISI 304 with polypropylene structure;
 - polyester mesh with polypropylene structure
 - polypropylene disks.
• Gaskets: NBR

Characteristics
• Maximum working pressure: 10 bar at 20° .
• Standard filtration grade: 120 mesh
 (filtration available: 30, 50, 80, 120, 150, 200 mesh).
• Standard bypass: male threaded [BSP and NPT].
• The filter can be supplied with the cover fitted (no discharge) or punched (with discharge) with threaded cap.
• Resists acids and fertilisers commonly used in agriculture.

Load loss*



Testing for load loss was carried out with clean water.

PLASTIC FILTERS - ON LINE FILTER MODEL "D"

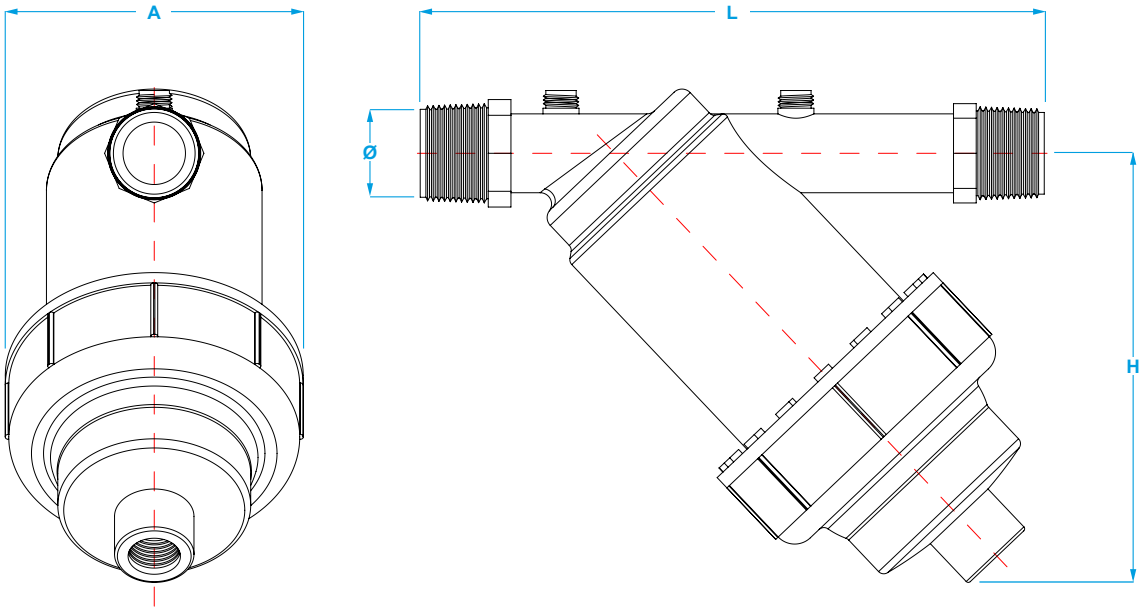
YDV

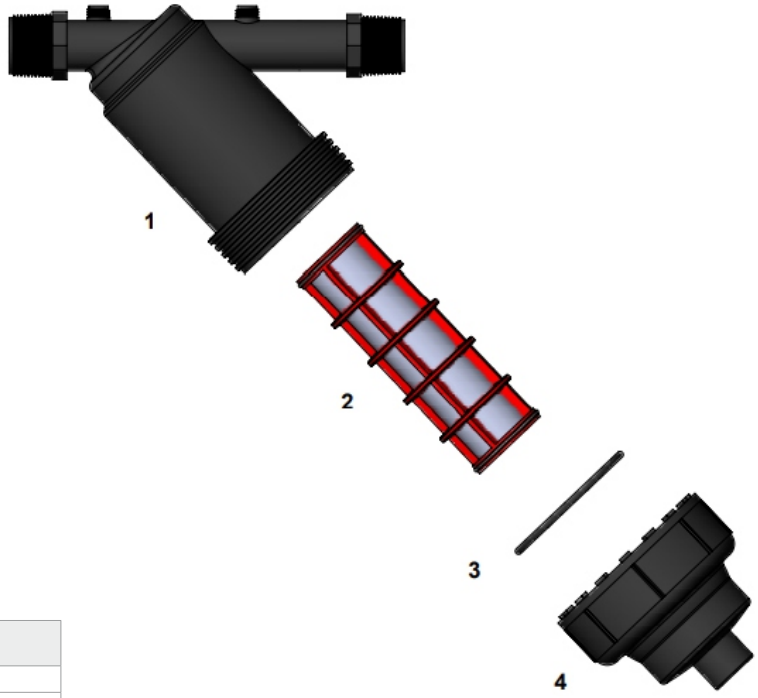
Technical data

Couplings	Pricelist ref.	Filtering cartridge	Rec.max. flowrate (m^3/h)	Filtration area (cm^2)
3/4"	**IFYDVCIL**	s.s.	5	160
	IFYDVCPL	polyester		
	IFYDVCDL	disk		170
1"	**IFYDVDIL**	s.s.	5	160
	IFYDVDPL	polyester		
	IFYDVDDL	disk		170

Dimensions

Ø (inches)	L(mm)	A(mm)	H(mm)	Weight(g)
3/4"	152	84	138	230
				326
1"	152	84	138	230
				326





Components

Number	Description
1	filterb ody
2	complete filtering cartridge
3	cover gasket
4	cover

PLASTIC FILTERS - ON LINE FILTER MODEL “E”

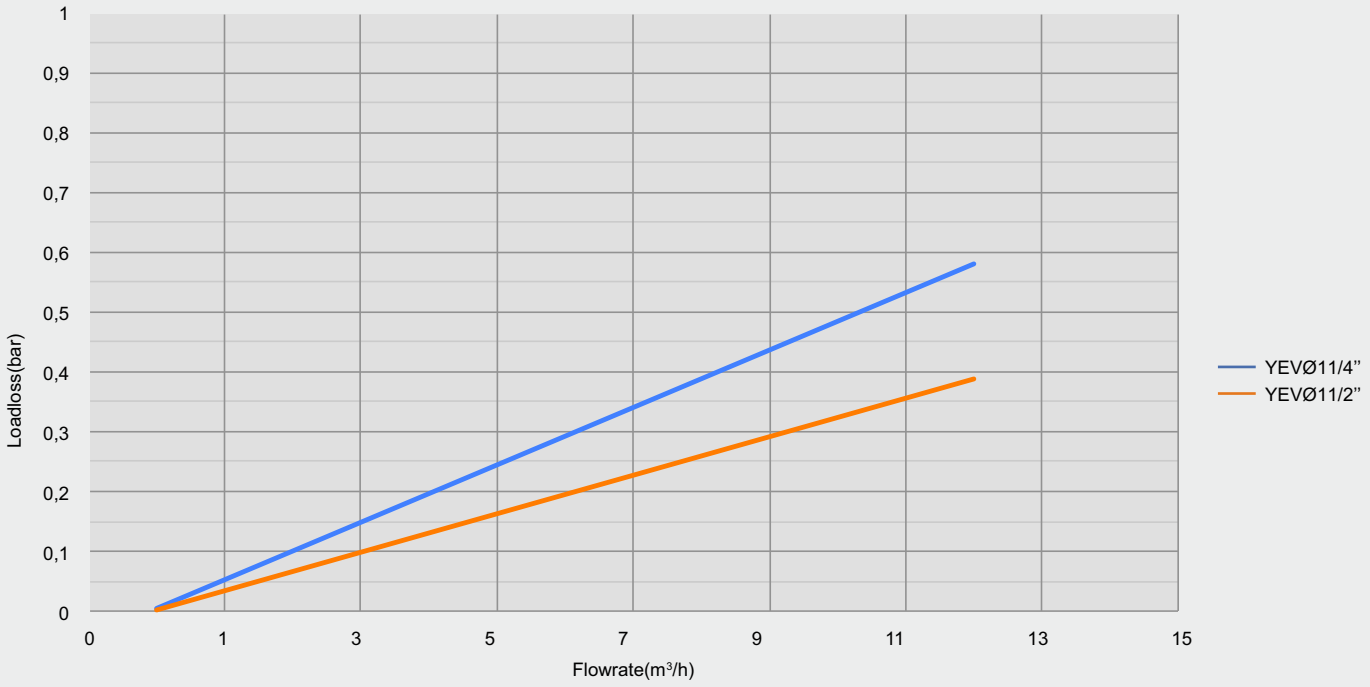
YEV

Applications
Secondary filtration in systems for irrigation, safe filtration. The disk filter allows high efficiency and filtration precision. It can be installed in wells, outdoors or on fertigation machines.

Materials
• Body: polypropylene
• Cover: polypropylene
• Filtering element:
 - mesh in stainless steel AISI 304 with polypropylene structure;
 - polyester mesh with polypropylene structure
 - polypropylene disks.
• Gaskets: NBR

Characteristics
• Maximum working pressure: 10 bar at 20° .
• Standard filtration grade: 120 mesh
 (filtration available: 50, 80, 120, 150, 200 mesh).
• Standard bypass: male threaded [BSP and NPT].
• The filter can be supplied with the cover fitted (no discharge) or punched (with discharge) with threaded cap.
• Resists acids and fertilisers commonly used in agriculture.

Load loss*



Testing for load loss was carried out with clean water.

PLASTIC FILTERS - ON LINE FILTER MODEL “E”

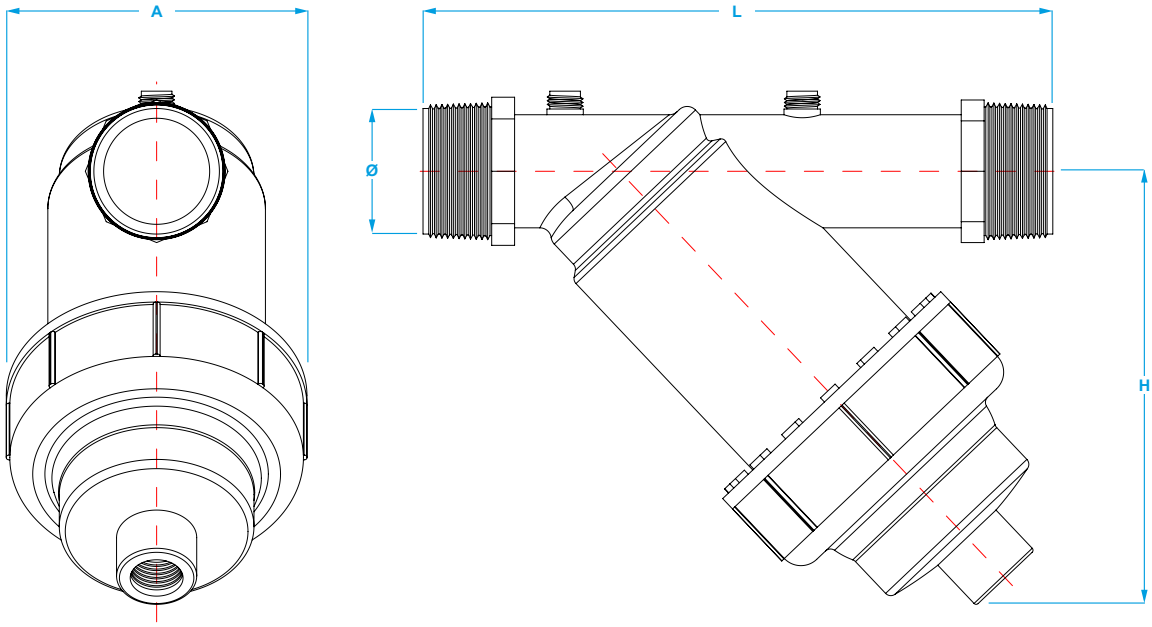
YEV

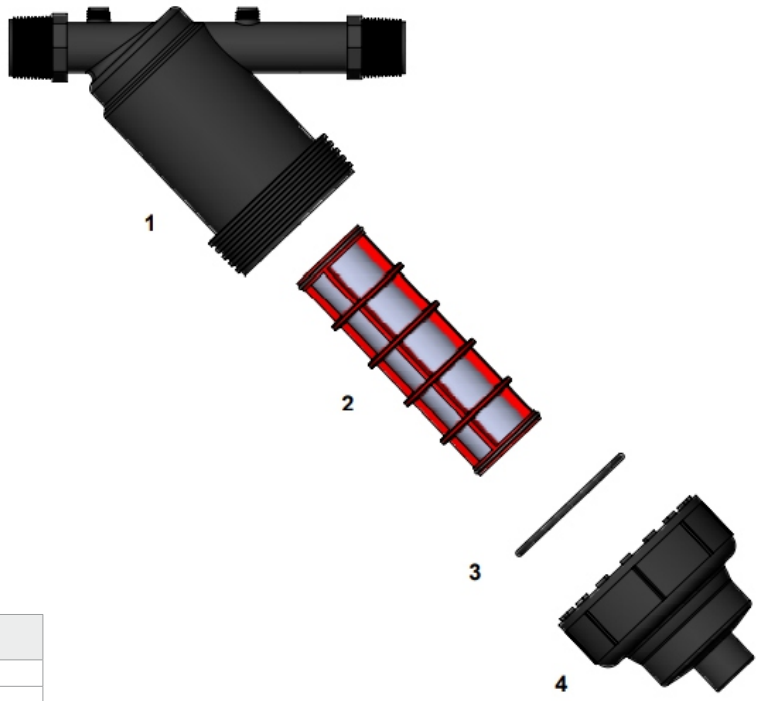
Technical data

Couplings	Pricelist ref.	Filtering cartridge	Rec.max. flowrate (m^3/h)	Filtration area (cm^2)
1"1/4	**IFYEVEIL**	s.s.	10	220
	IFYEVEPL	polyester		
	IFYEVEDL	disk		260
1"1/2	**IFYEVFIL**	s.s.	10	220
	IFYEVFPL	polyester		
	IFYEVFDL	disk		260

Dimensions

Ø (inches)	L(mm)	A(mm)	H(mm)	Weight(g)
1"1/4	220	103	152	370
				525
1"1/2	220	103	152	370
				525





Components

Number	Description
1	filter body
2	complete filtering cartridge
3	cover gasket
4	cover

PLASTIC FILTERS - ON LINE FILTER MODEL “F”

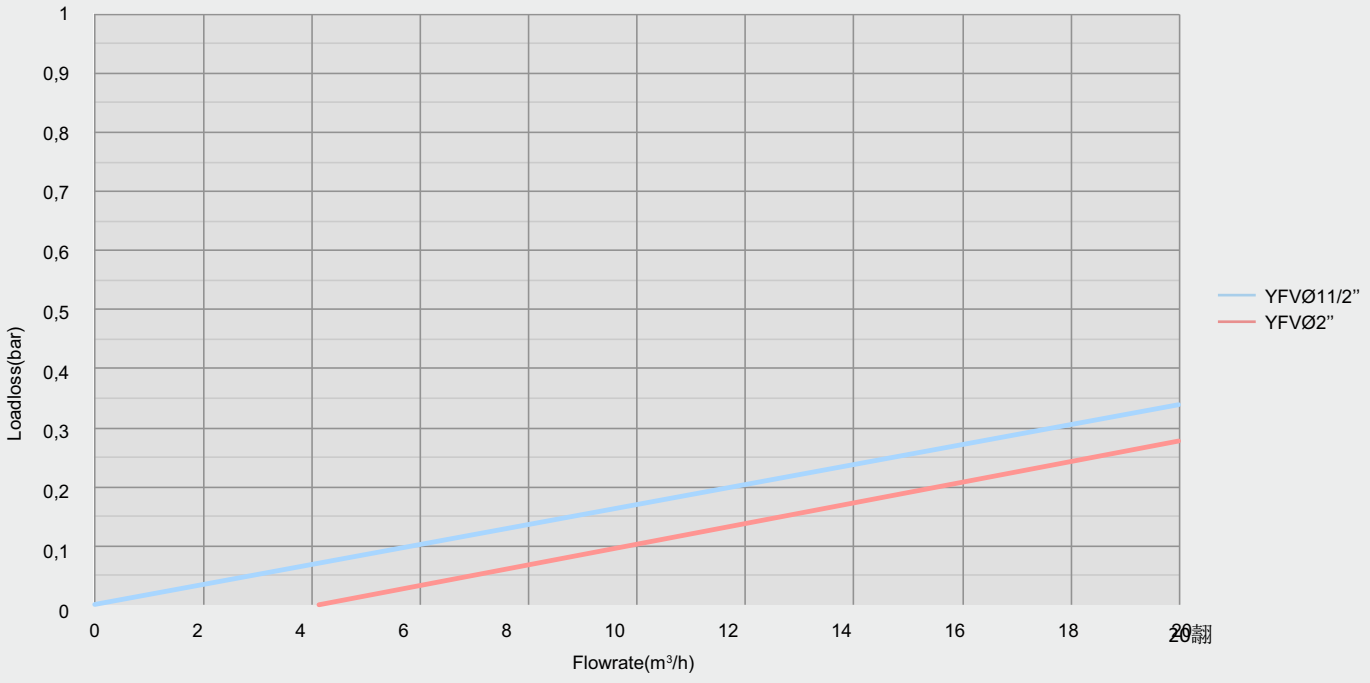
YFV

Applications
Secondary filtration in systems for irrigation, safe filtration. The disk filter allows high efficiency and filtration precision. It can be installed in wells, outdoors or on fertigation machines.

Materials
- Body: polypropylene
- Cover: polypropylene
- Filtering element:
  - mesh in stainless steel AISI 304 with polypropylene structure;
  - polyester mesh with polypropylene structure
  - polypropylene disks.
- Gaskets: NBR

Characteristics
- Maximum working pressure: 8 bar at 20° .
- Standard filtration grade: 120 mesh (filtration available: 50, 80, 120, 150, 200 mesh).
- Standard bypass: male threaded [BSP and NPT].
- The filter can be supplied with the cover fitted (no discharge) or punched (with discharge) with threaded cap.
- Resists acids and fertilisers commonly used in agriculture.

Load loss*



Testing for load loss was carried out with clean water.

PLASTIC FILTERS - ON LINE FILTER MODEL "F"

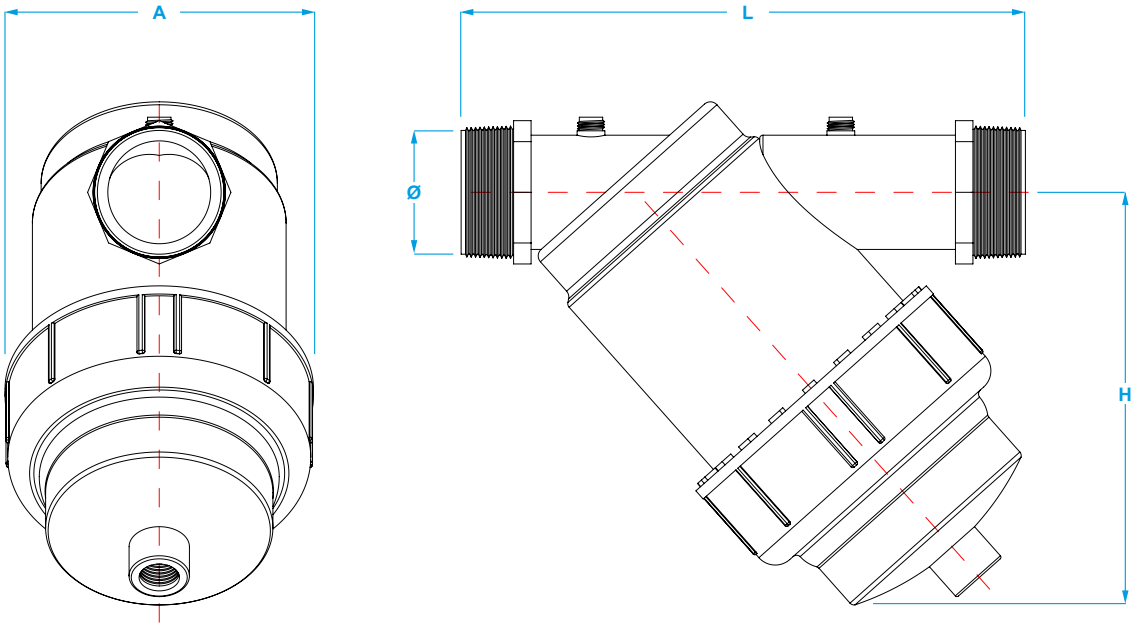
YFV

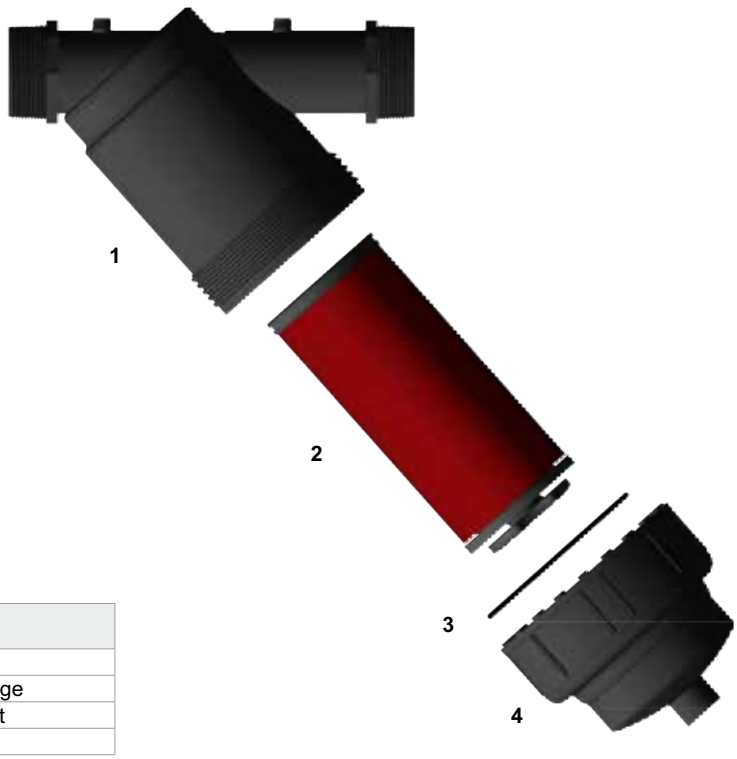
Technical data

Couplings	Pricelist ref.	Filtering cartridge	Rec.max.flow rate(m^3/h)	Filtration area(cm^2)
1"1/2	**IFYFVFIL**	s.s.	20	450
	IFYFVFPL	polyester		
	IFYFVFDL	disk		500
2"	**IFYFVGIL**	s.s.	20	450
	IFYFVGPL	polyester		
	IFYFVGDL	disk		500

Dimensions

Ø (inches)	L(mm)	A(mm)	H(mm)	Weight(g)
1"1/2	258	140	188	785
2"	258	140	188	1000





Components

Number	Description
1	filter body
2	filtering cartridge
3	cover gasket
4	cover

PLASTIC FILTERS - ON LINE FILTER MODEL "G"

YGG/YGF

Applications
Secondary filtration in systems for irrigation, safe filtration. The disk filter allows high efficiency and filtration precision. It can be installed in wells or outdoors thanks to the excellent UV ray resistance.

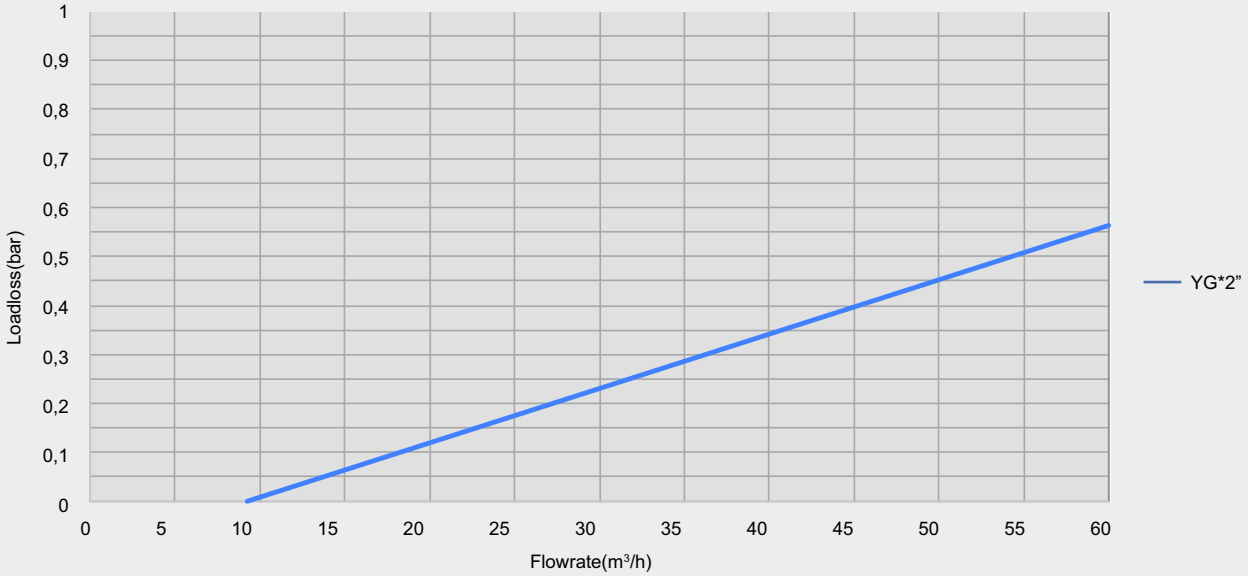
Materials
- Body: polypropylene
- Cover: polypropylene
- Closure elements:
  - polyamide ring nut
  - ring in stainless steel AISI 304
- Filtering element:
  - mesh in stainless steel AISI 304 with polypropylene structure;
  - polyester mesh with polypropylene structure
  - polypropylene disks.
- Gaskets: NBR
- Disks support: glass reinforced polyamide.

Characteristics
- Maximum working pressure: 8 bar at 20° .
- Standard filtration grade: 120 mesh
  (filtration available: 50, 80, 120, 150, 200 mesh)
- Standard bypass: male threaded [BSP and NPT].

YGG
with ring nut

YGF
with S.S. ring

Load loss*



*Testing for load loss was carried out with clean water.

PLASTIC FILTERS - ON LINE FILTER MODEL "G"

YGG/YGF

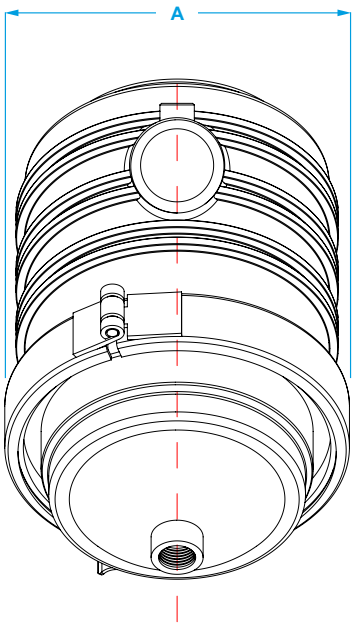
Technical data

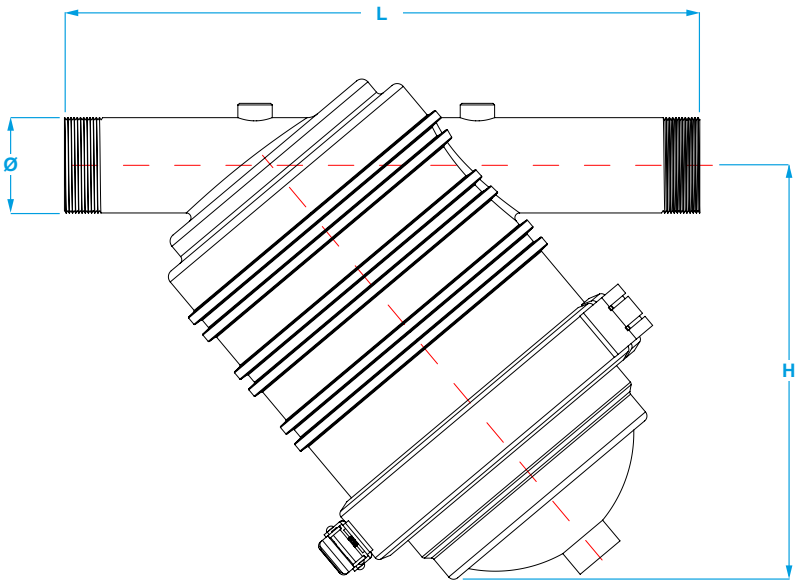
Couplings	Pricelist ref.	Filtering cartridge	Rec.max.flow rate(m^3/h)	Filtration area(cm^2)
2"	**IFYG#GIL**	s.s.	25	1196
	IFYG#GPL	polyester		1196
	IFYG#GDL	disk		

Replace # with **G** (ring nut) or **F** (ring)

Dimensions

Ø (inches)	L(mm)	A(mm)	H(mm)	Weight(kg)
2"	400	217	260	3,00
2"	400	217	260	3,20





Components

Number	Description
1A	closure body withring
1B	closure body with ring nut
2	stainless steel closure ring
3	complete stainless steel screen cartridge
4	complete stainless steel disk cartridge
5A	complete polyester cartridge
5B	polyester mesh
6	or cover
7A	stainless steelring cover
7B	ring nut cover

PLASTIC FILTERS - ON LINE FILTER MODEL “H”

YHG/YHF

Applications
Secondary filtration in systems for irrigation, safe filtration. The disk filter allows high efficiency and filtration precision. It can be installed in wells or outdoors thanks to the excellent UV ray resistance.

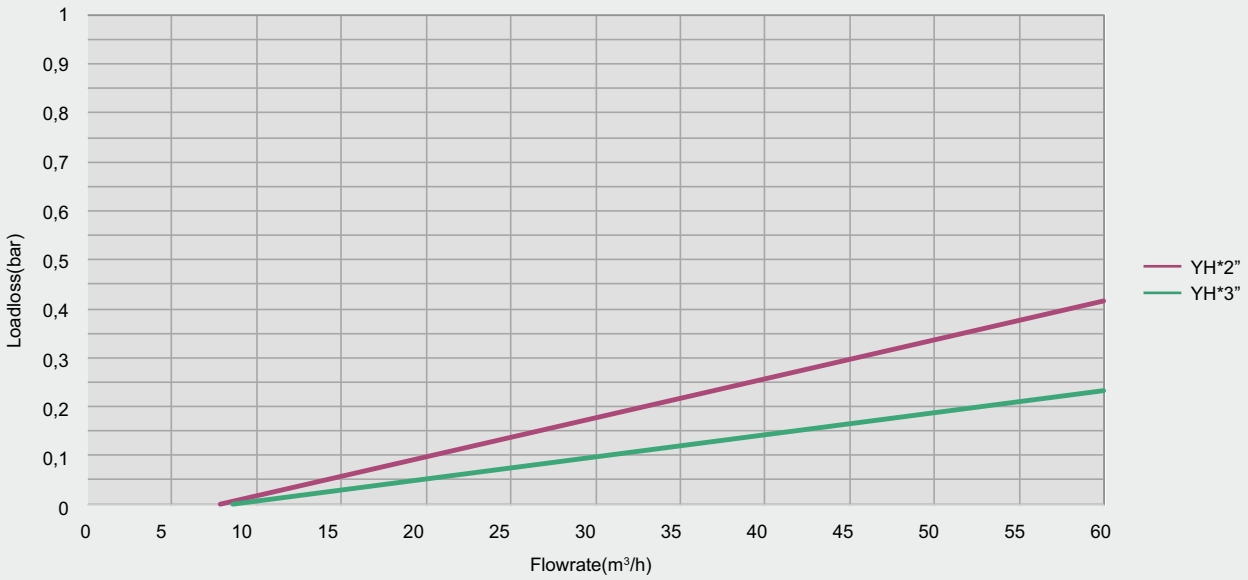
Materials
- Body: polypropylene
- Cover: polypropylene
- Closure elements:
  - polyamide ring nut
  - ring in stainless steel AISI 304
- Filtering element:
  - mesh in stainless steel AISI 304 with polypropylene structure;
  - polyester mesh with polypropylene structure
  - polypropylene disks.
- Gaskets: NBR
- Disks support: glass reinforced polyamide.

Characteristics
- Maximum working pressure: 8 bar at 20° .
- Standard filtration grade: 120 mesh
  (filtration available: 50, 80, 120, 150, 200 mesh)
- Standard bypass: male threaded [BSP and NPT].

YHG
with ring nut

YHF
with S.S. ring

Load loss*



Testing for load loss was carried out with clean water.

PLASTIC FILTERS - ON LINE FILTER MODEL "H"

YHG/YHF

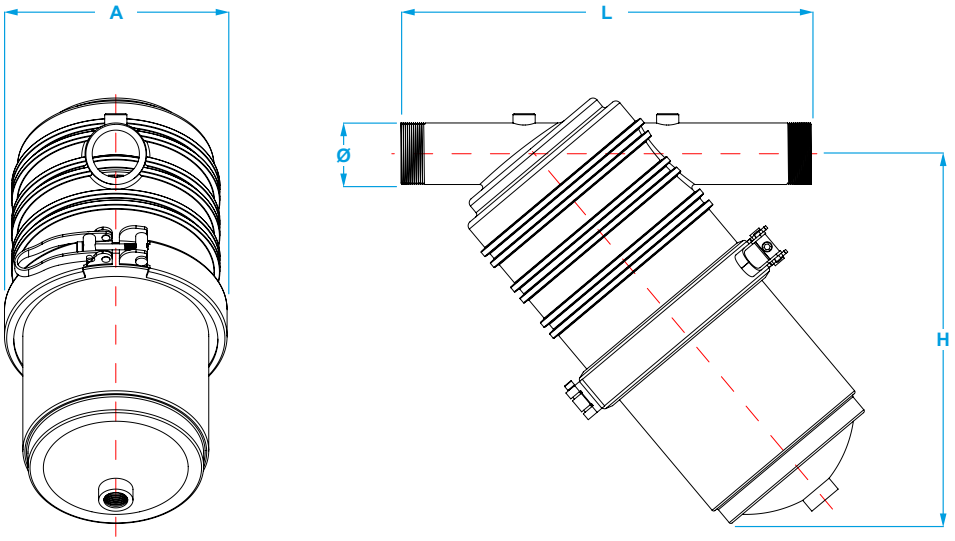
Technical data

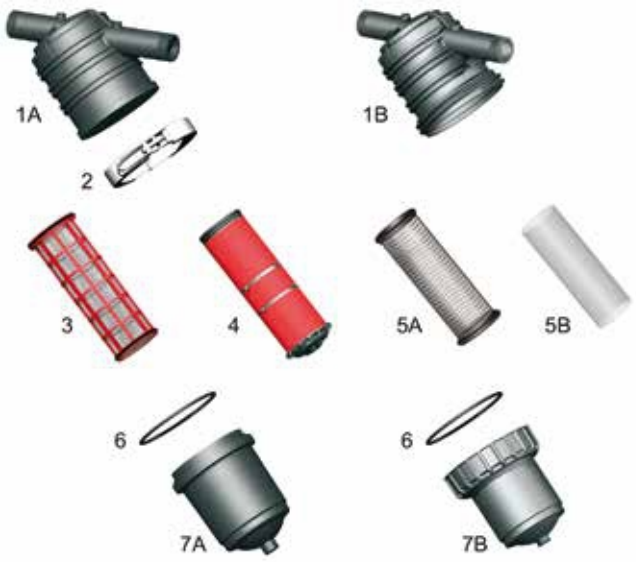
Couplings	Pricelist ref.	Filtering cartridge	Rec.max.flow rate(m^3/h)	Filtration area(cm^2)
2"	**IFYH#GIL**	s.s.	25	1698
	IFYH#GPL	polyester		
	IFYH#GDL	disk		
3"	**IFYH#IIL**	s.s.	50	1698
	IFYH#IPL	polyester		
	IFYH#IGL	disk		

Replace # with **G** (ring nut) or **F** (ring)

Dimensions

Ø (inches)	L(mm)	A(mm)	H(mm)	Weight (kg)**YHG**	Weight (kg)**YHF**
2"	446	223	370	3,90	4,10
				5,30	5,60
3"	446	223	370	4,10	4,15
				5,60	5,90





Components

Number	Description
1A	closure body withring
1B	closure body with ring nut
2	stainless steel closure ring
3	complete stainless steel screen cartridge
4	complete stainless steel disk cartridge
5A	complete polyester cartridge
5B	polyester mesh
6	or cover
7A	stainless steel ring cover
7B	ring nut cover

PLASTIC FILTERS - HYDRO-CYCLONE FILTER

HFP

Applications

HFP hydro-cyclone filter is suitable for the first irrigation of water from wells, rivers and lakes, with a considerable amount of suspended sand and/or solids. The tangential inflow of water generates a whirling motion with a centrifugal movement which enables the separation between water and heavy particles. Due to the difference in density and specific gravity, the water will come out from the top while the heavier sand will precipitate to the center of the whirlpool accumulating in the appropriate recipient. On the bottom of the cone there is a TPU reduction that protects the filters from wear caused by the abrasive action of the sand. The separated sand can be discharged through the ball valve located on the tank.

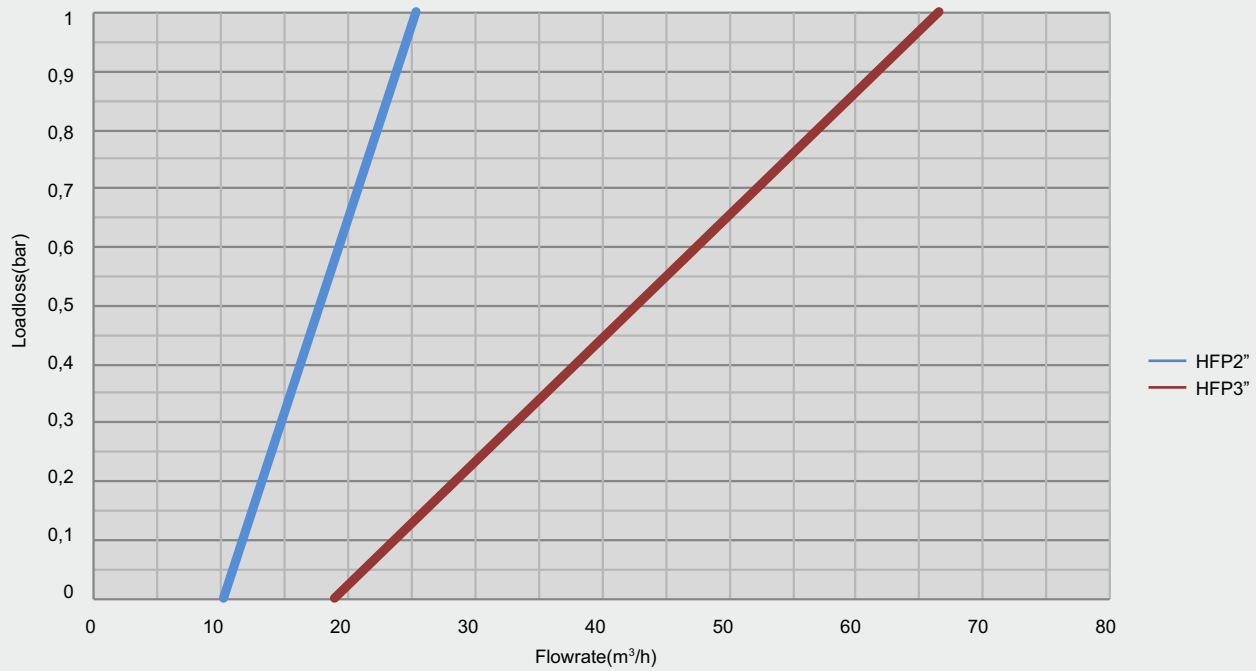
Materials

- Body: glass fiber reinforced polyamide
- Tank: glass fiber reinforced polyamide
- Closing element: clamp and bolts in AISI 304 stainless steel
- Gaskets: NBR

Characteristics

- Maximum working pressure: 6 bar
- Types of connection: threaded
- The filter is supplied with a purge valve

Load loss*



Testing for load loss was carried out with clean water.

PLASTIC FILTERS - HYDRO-CYCLONE FILTER

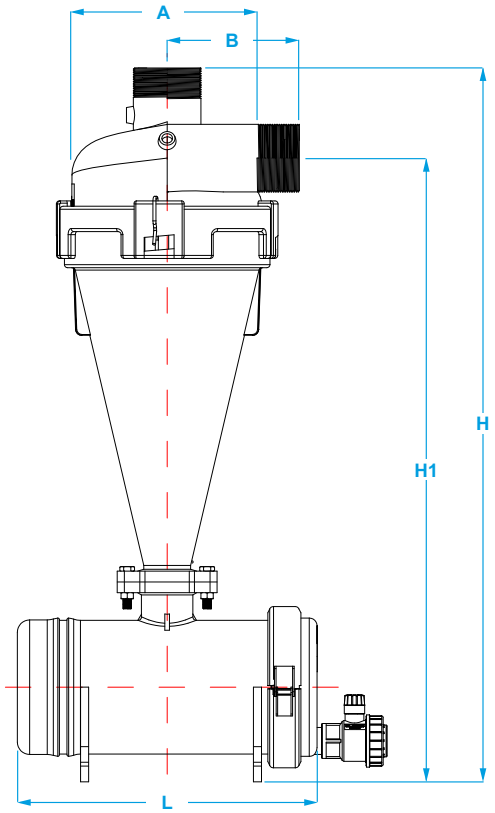
HFP

Technical data

Couplings	Pricelist ref.	Øbody (mm)	Flow rate (m^3/h)	Filtration area(cm^2)
2"	**IFHFPG00M2V0N**	206	15-25	-
3"	**IFHFPI00M2V0N**	248	35-52	-

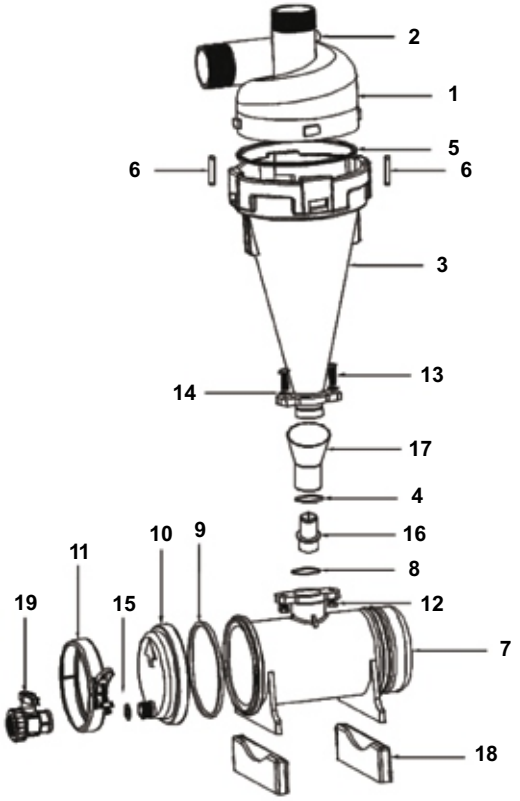
Dimensions

ø(inches)	H(mm)	H1(mm)	A(mm)	B(mm)	L(mm)	Weight (kg)
2	940	808	206	151	395	7,6
3	990	868	248	175	482	9,6



Components

Number	Description
1	body (BSPthread)
2	brass bush
3	cone
4	small o-ring (cone)
5	big o-ring (cone)
6	stainless steel pin lock
7	tank (8lt mod.2" - 10lt mod.3")
8	o-ring (tank)
9	gasket (tank)
10	tank cover
11	stainless steel clamp
12	10mm nut
13	bolt (10x50)
14	10mm washer
15	rubber washer
16	interchangeable coupling
17	cone coupling
18	tank support
19	ball valve



AUTOMATIC PLASTIC FILTERS - "T" ROTODISK FILTER

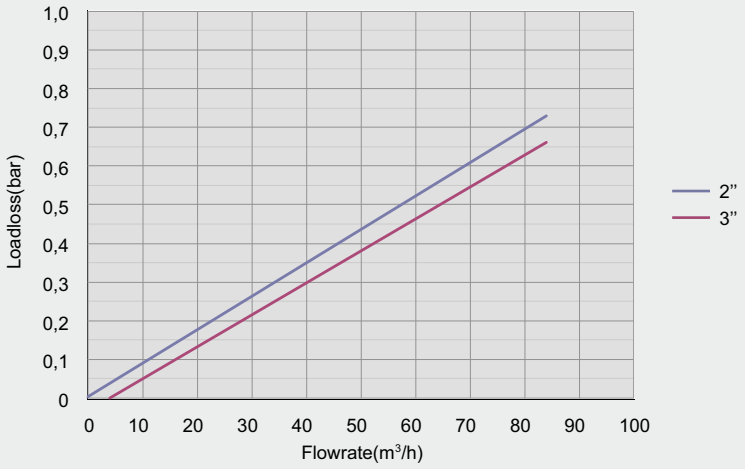
TAF

Applications
Secondary filtration, safety filtration. Highly efficient and precise filtration.
It is usually installed in series, composed of 2 or more filtering elements.

Materials
- Body: polyamide reinforced with fibre glass
- Cover: polyamide reinforced with fibre glass
- Closure elements: ring in stainless steel AISI 304
- Filtering element: polypropylene disks.
- Gaskets: NBR

Characteristics
- Maximum working pressure: 10 bar at 20° .
- Standard filtration grade: 120 mesh
 (filtration available: 80, 120, 150, 200 mesh).
- Types of connection: threaded, victaulic or flanged.
- Manometer coupling: Ø1/4" female.
- Installation: on line.

Load loss*



Testing for load loss was carried out with clean water.

AUTOMATIC PLASTIC FILTERS - "T" ROTODISK FILTER

TAF

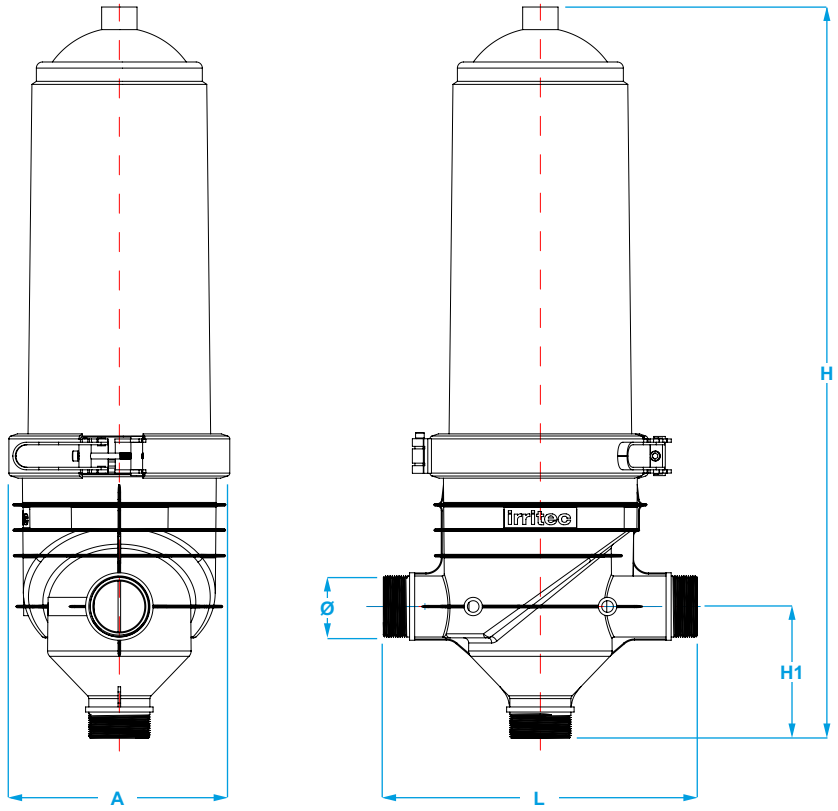
ROTODISK® AUTOMATIC

Technical data

Couplings	**Pricelist ref.**	Filtering cartridge	Rec.max.flow rate(m^3/h)	Filtration area (cm^2)
2"	**IFTAFGEL**	automatic	24	1400
3"	**IFTAFIEL**	automatic	32	1400

Dimensions

Ø (inches)	L(mm)	A(mm)	H(mm)	H1(mm)	Weight(kg)
2"	327	250	720	140	8
3"	327	250	720	140	8



Components

Number	Description
1	cover
2	transparent cover*
3	filtering cartridge automatic 80 mesh
4	filtering cartridge automatic 120 mesh
5	filtering cartridge automatic 155 mesh
6	stainless steelring
7	cover o-ring
8	filter body

**only use for demonstration purposes and with pressure not exceeding 4 bar*

AUTOMATIC PLASTIC FILTERS - ROTODISK TWIN FILTER

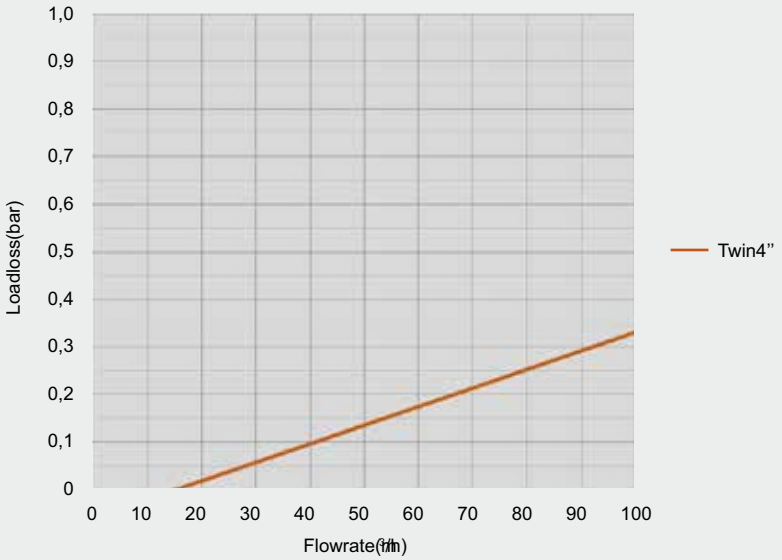
DAF

Applications
Secondary filtration, safety filtration. Highly efficient autonomous and precise filtration. IT is usually installed in series, composed of 2 or more filtering elements Thanks to the excellent UV ray resistance, it can be installed outdoors without any protection.

Materials
- Body: polyamide reinforced with fibre glass
- Cover: polyamide reinforced with fibre glass
- Closure elements: ring in stainless steel AISI 304
- Filtering element: polypropylene disks.
- Gaskets: NBR
- Disks support: glass reinforced polyamide.

Characteristics
- Maximum working pressure: 10 bar at 20° .
- Standard filtration grade: 120 mesh (filtration available: 80, 120, 150, 200 mesh).
- Types of connection: threaded, victaulic or flanged.
- Manometer coupling: Ø1/4" female.
- Installation: on line.

Load loss*



Testing for load loss was carried out with clean water.

AUTOMATIC PLASTIC FILTERS - ROTODISK TWIN FILTER

DAF

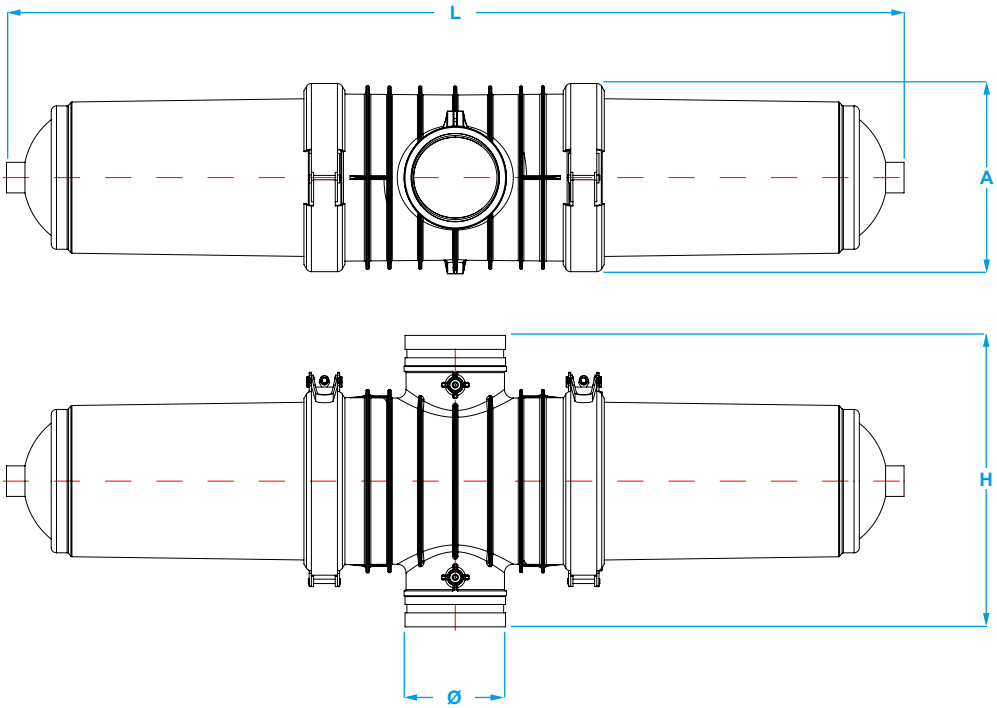
ROTODISK® AUTOMATIC

Technical data

Couplings	**Pricelist ref.**	Filtering cartridge	Bypasses	Rec.max. flowrate (m^3/h)	Filtration area(cm^2)
4"	**IFDAFLEL**	automatic	victaulic	64	2800

Dimensions

Ø (inches)	L(mm)	A(mm)	H(mm)	Weight(kg)
4"	1240	250	390	14,90



Components

Number	Description
1	cover
2	transparent cover*
3	filtering cartridge automatic 80 mesh
4	filtering cartridge automatic 120 mesh
5	filtering cartridge automatic 155 mesh
6	stainless steelring
7	cover o-ring
8	twin filter body

**only use for demonstration purposes and with pressure not exceeding 4 bar*

FILTRATION GROUP WITH AUTOMATIC PLASTIC FILTERS - FILTRATION GROUP WITH SINGLE TAF 2” FILTER

ROTODISK® AUTOMATIC

RSL 2” SINGLE FILTER

Applications

The RSL SINGLE FILTER disk filtering station is composed of a Rotodisk, a filter equipped with a particular mechanical and hydraulic system that allows its automatic backwashing. Assembled individually with two, threeway hydraulic valves, an auxiliary disk filter and a controller for automatic management of the wash cycles (timed and pressure differential). The RSL station is mainly used as primary filtration of water particularly weighted with suspended particles, or as secondary filtration downstream of the quartzite filters or sand separators.

Materials

- Filter: polyamide reinforced with fibre glass
- Collectors: HDPE
- Hydraulic valves: plastic or cast iron
- Victaulic fittings: cast iron

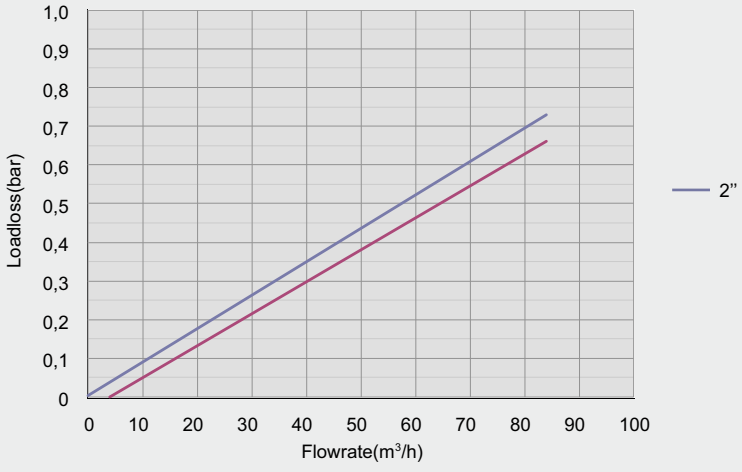
Filtering element: polypropylene disks

- Accessories: polypropylene

Characteristics

- Maximum working pressure: 10 bar at 20° .
- Standard filtration grade: 120 mesh (filtration available: 80, 120, 150, 200 mesh).
- Threaded bypasses: victaulic (up to 4”), flanged (over 4”)
- The filtering station is supplied with air discharge valves, fittings for backwash water discharge and an automation kit
- Resists acids and fertilisers commonly used in agriculture.

Load loss*



Testing for load loss was carried out with clean water.

FILTRATION GROUP WITH AUTOMATIC PLASTIC FILTERS - FILTRATION GROUP WITH SINGLE TAF 2” FILTER

ROTODISK® AUTOMATIC

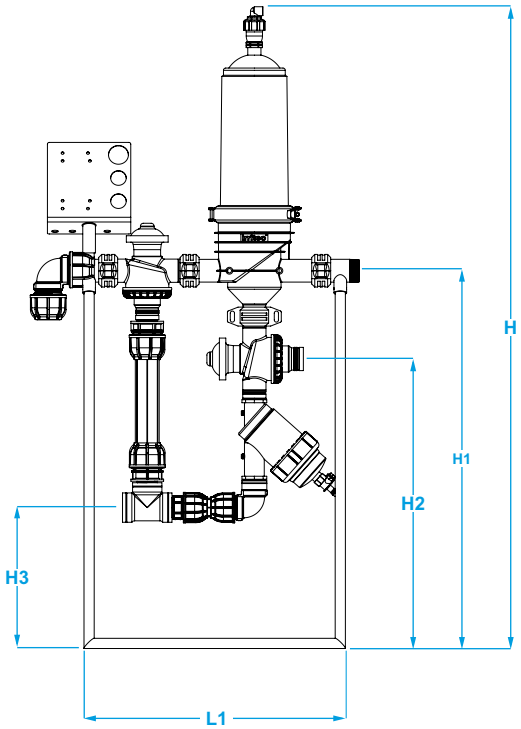
RSL 2” SINGLE FILTER

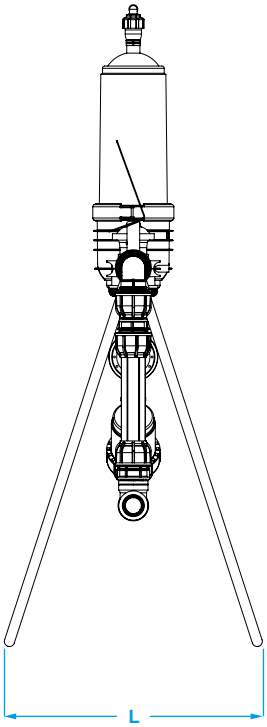
Technical data

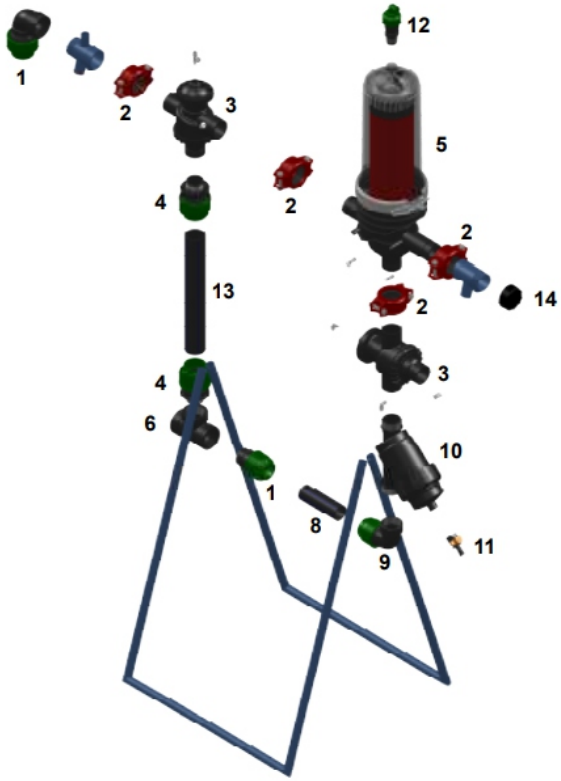
No. filters	Pricelist ref.	Rec.max. flowrate (m^3/h)	Ø collector	Bypasses	Collector	Discharge
1	**IFRSL201GBGUL**	24	2"	threaded	epoxy paint.steel	2"-63mm

Dimensions

Ø (inches-DN)	L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)	H3 (mm)
2"	660	690	1700	100	770	350







Components

Number	Description
1	female elbow ø63x2”
2	victaulic fitting 2”
3	hydraulic valve 90° 2”3-way
4	male fitting ø63x2”
5	TAF filter 2”
6	Tee2” threaded
7	male fitting ø50x2”
8	HDPE pipe PN 10ø50
9	female elbow ø50x2”
10	YFV filter2” dischi
11	3/4”discharge valve
12	air release valve
13	HDPE pipe PN 10ø63
14	sleeve2”

FILTRATION GROUP WITH AUTOMATIC PLASTIC FILTERS - FILTRATION GROUP WITH ONLINE TAF FILTERS

ROTODISK® AUTOMATIC

RSL

Applications

The RSL disk filter station is composed of two or more Rotodisk filters, a filter equipped with a particular mechanical and hydraulic system that allows its automatic backwashing. Adequately assembled in series with use of hydraulic valves and a controller, they allow continuity of the irrigation cycle, reduced water waste and reduced maintenance necessary on the station. The RSL station is mainly used as primary filtration of water particularly weighted with suspended particles, or as secondary filtration downstream of the quartzite filters or sand separators.

Materials

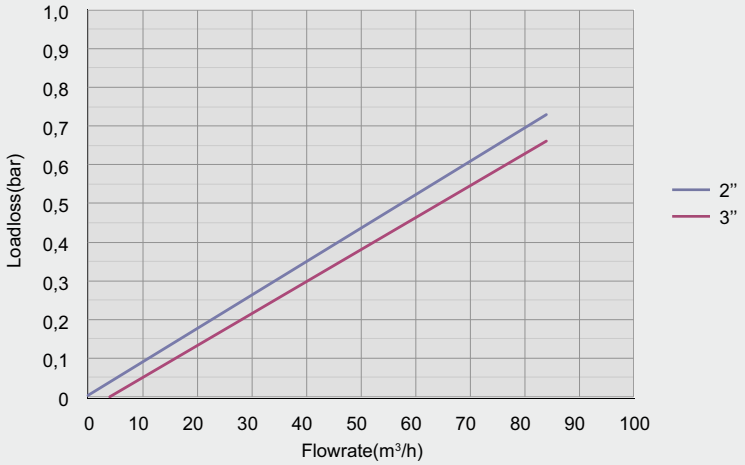
- Filter: polyamide reinforced with fibre glass
- Collectors: HDPE
- Hydraulic valves: plastic or cast iron
- Victaulic fittings: cast iron

Filtering element: polypropylene disks

Characteristics

- Maximum working pressure: 10 bar at 20° .
- Standard filtration grade: 120 mesh (filtration available: 80, 120, 150, 200 mesh).
- Bypasses: victaulic (up to 4”), flanged (over 4”)
- The filtering station is supplied with air discharge valves, fittings for backwash water discharge and an automation kit
- Resists acids and fertilisers commonly used in agriculture.

Load loss of single filtering element*



Testing for load loss was carried out with clean water.

FILTRATION GROUP WITH AUTOMATIC PLASTIC FILTERS - FILTRATION GROUP WITH ONLINE TAF FILTERS

ROTODISK® AUTOMATIC

RSL

Technical data 2”

No. filters	Pricelist ref.	Rec.max. flowrate (m^3/h)	Øcollector	Bypasses	Collector	Discharge
2	**IFRSL202IVPEL**	48	3"-90mm	victaulic	HDPE	2"-63mm
2	**IFRSL202LVPEL**	48	4"-110mm	victaulic	HDPE	2"-63mm
3	**IFRSL203LVPEL**	72	4"-110mm	victaulic	HDPE	2"-63mm
4	**IFRSL204LVPEL**	96	4"-110mm	victaulic	HDPE	2"-63mm
5	**IFRSL205PFPEL**	120	6"-160mm	flangiato	HDPE	2"-63mm
6	**IFRSL206PFPEL**	144	6"-160mm	flangiato	HDPE	2"-63mm

Dimensions 2”

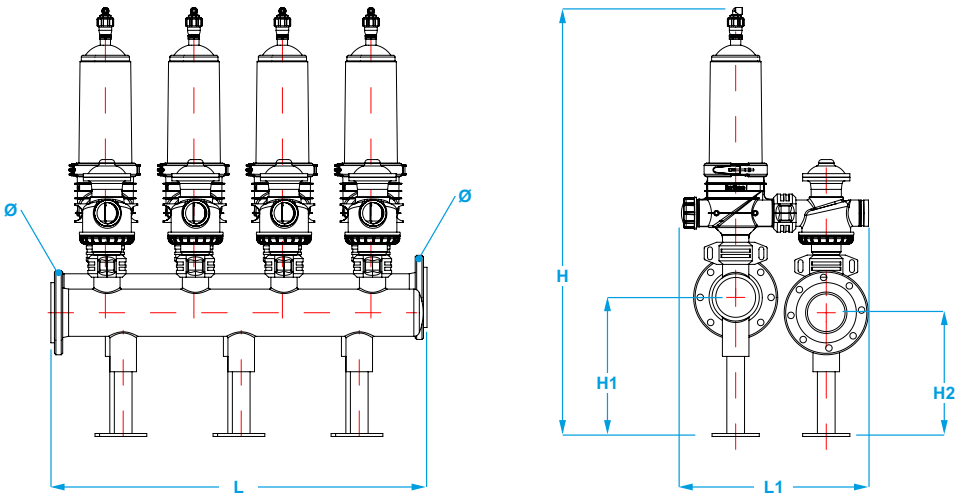
Ø (inches-DN)	L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)
3"	630	720	1180	280	270
4"	845	720	1180	280	270
4"	845	720	1190	290	280
4"	1120	720	1190	290	280
DN150	1520	720	1220	310	300
DN150	1790	720	1220	310	300

Technical data 3”

No. filters	Pricelist ref.	Rec.max. flowrate (m^3/h)	Øcollector	Bypasses	Collector	Discharge
2	**IFRSL302LVPEL**	64	4"-110mm	victaulic	HDPE	3"-90mm
3	**IFRSL303LVPEL**	96	6"-160mm	flangiato	HDPE	3"-90mm
4	**IFRSL304PFPEL**	128	6"-160mm	flangiato	HDPE	3"-90mm
5	**IFRSL305RFPEL**	160	8"-200mm	flangiato	HDPE	3"-90mm
6	**IFRSL306RFPEL**	192	8"-200mm	flangiato	HDPE	3"-90mm

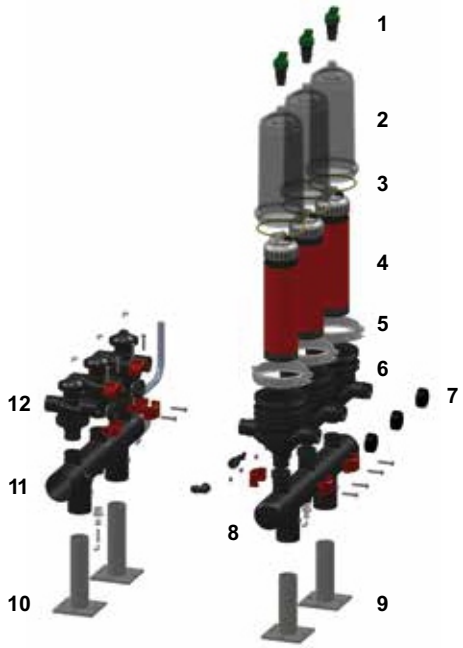
Dimensions 3”

Ø (inches-DN)	L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2(mm)
4"	650	720	1180	280	230
4"	960	720	1180	280	230
DN150	1270	720	1210	310	260
DN200	1580	720	1290	380	330
DN200	1890	720	1290	380	330



Components

Number	Description
1	airreleasevalve
2	filtercover
3	covero-ring
4	filteringcartridgeautomatic
5	stainlesssteelring
6	filterbody
7	sleeve
8	outlet collector
9	outlet collector foot
10	inlet collector foot
11	inlet collector
12	hydraulicvalve90°3-way



FILTRATION GROUP WITH AUTOMATIC PLASTIC FILTERS -
FILTRATION GROUP WITH PARALLEL TAF FILTERS

ROTODISK® AUTOMATIC

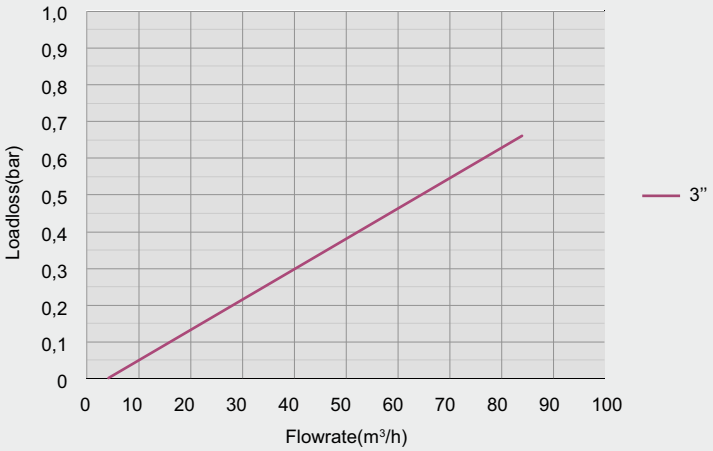
RSP 3”

Applications
The RSP disk filter station is composed of two parallel rows of multiple Rotodisk filters, a filter equipped with a particular mechanical and hydraulic system that allows its automatic backwashing. Adequately assembled in series with use of hydraulic valves and a controller, they allow continuity of the irrigation cycle, reduced water waste and reduced maintenance necessary on the station. The RSL station is mainly used as primary filtration of water particularly weighted with suspended particles, or as secondary filtration downstream of the quartzite filters or sand separators. The station is designed to be transportable.

Materials
- Filter: polyamide reinforced with fibre glass
- Collectors: painted carbon steel
- Hydraulic valves: cast iron
- Victaulic fittings: cast iron
- Filtering element: polypropylene disks

Characteristics
- Maximum working pressure: 10 bar at 20° .
- Standard filtration grade: 120 mesh (filtration available: 80, 120, 150, 200 mesh).
- Flanged standard bypass.
- The filtering station is supplied with air discharge valves, fittings for backwash water discharge and an automation kit
- Resists acids and fertilisers commonly used in agriculture.

Load loss of single filtering element*



Testing for load loss was carried out with clean water.

FILTRATION GROUP WITH AUTOMATIC PLASTIC FILTERS - FILTRATION GROUP WITH PARALLEL TAF FILTERS

ROTODISK® AUTOMATIC

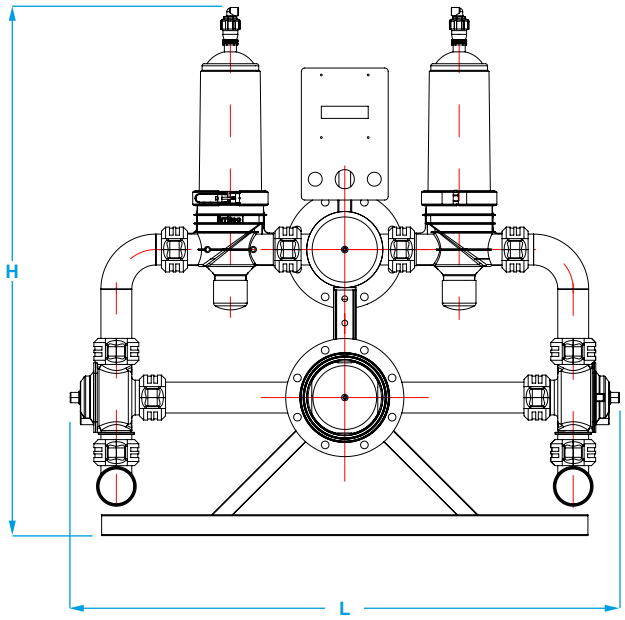
RSP 3”

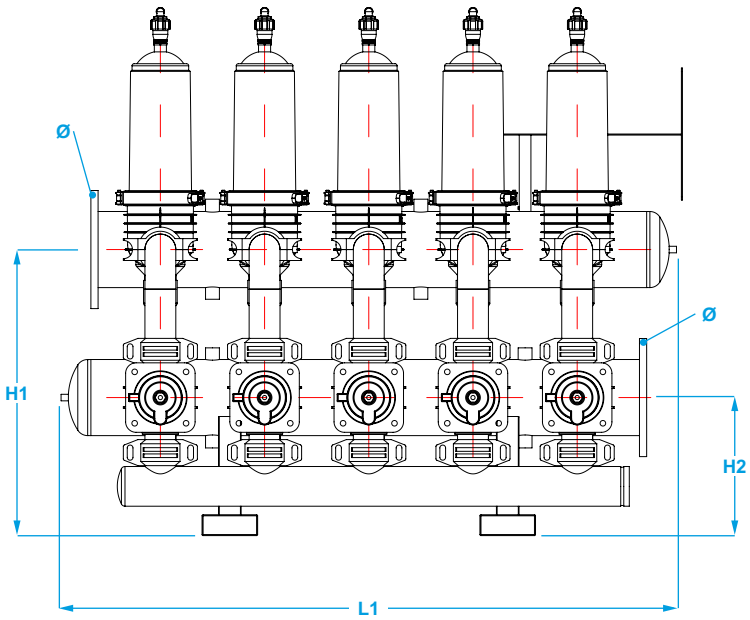
Technical data

No. filters	Pricelist ref.	Rec.max. flowrate (m^3/h)	Øcollector	Bypasses	Collector	Discharge
10	**IFRSP310RFGRL**	320	8"-200mm	flanged	epoxypaint.steel	3"-90mm
12	**IFRSP312TFGRL**	384	10"-250mm	flanged	epoxypaint.steel	3"-90mm
14	**IFRSP314TFGRL**	448	10"-250mm	flanged	epoxypaint.steel	3"-90mm

Dimensions

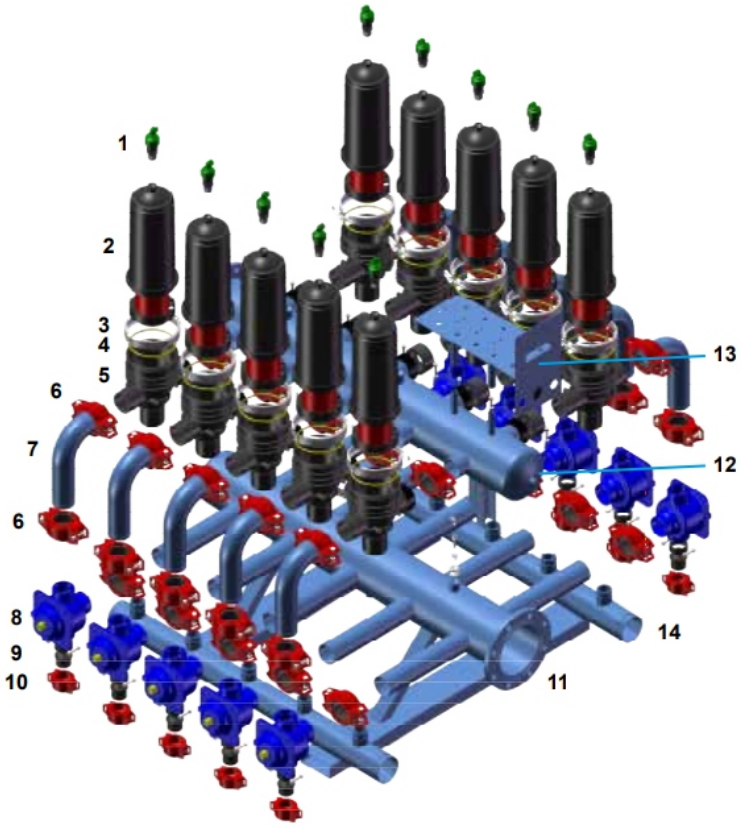
Ø (inches-DN)	L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)
DN200	1580	1770	1420	820	400
DN250	1640	2070	1420	870	430
DN250	1640	2370	1420	870	430





Components

Number	Description
1	air release valve
2	filter cover
3	metal ring
4	cover o-ring
5	filter body
6	victaulic fitting 3”
7	metal elbow 3’’
8	3-wayvalve90°
9	threaded - victaulic adaptor
10	victaulic fitting 2"
11	station structure
12	outlet collector
13	automation bracket
14	discharge collector



ROTODISK® AUTOMATIC

FILTRATION GROUP WITH AUTOMATIC PLASTIC FILTERS - FILTRATION GROUP WITH ONLINE DAF 4" FILTERS

RDL 4"

Applications

The RDL disk filter station is composed of two or more Rotodisk filters with double heads, a filter equipped with a particular mechanical and hydraulic system that allows its automatic backwashing. Adequately assembled in series with use of hydraulic valves and a controller, they allow continuity of the irrigation cycle, reduced water waste and reduced maintenance necessary on the station. The RDL station is mainly used as primary filtration of water particularly weighted with suspended particles, or as secondary filtration downstream of the quartzite filters or sand separators. The characteristic of the Rotodisk filter with twin head allows the RDL station to have a high grade of filtration autonomy, thanks to the larger filtration surface guaranteed by the DAF filter. The station is designed to be transportable.

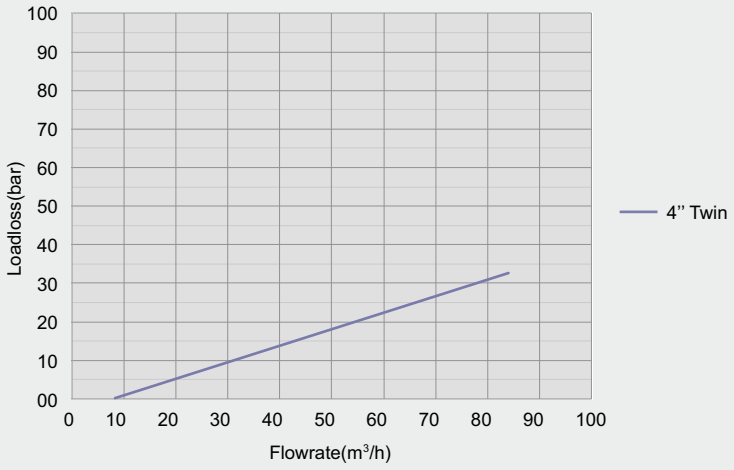
Materials

- Filter: polyamide reinforced with fibre glass
- Collectors: HDPE or painted carbon steel
- Hydraulic valves: plastic
- Victaulic fittings: cast iron
- Filtering element: polypropylene disks

Characteristics

- Maximum working pressure: 10 bar at 20° .
- Standard filtration grade: 120 mesh
  (filtration available: 30, 80, 120, 150, 200 mesh).
- Bypasses: flanged
- The filtering station is supplied with air discharge valves, fittings for backwash water discharge and an automation kit
- Resists acids and fertilisers commonly used in agriculture.

Load loss of single filtering element*



Testing for load loss was carried out with clean water.

FILTRATION GROUP WITH AUTOMATIC PLASTIC FILTERS - FILTRATION GROUP WITH ONLINE DAF 4" FILTERS

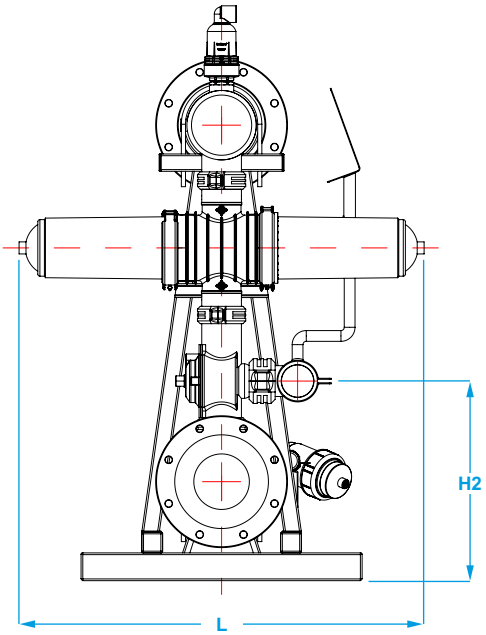
RDL 4"

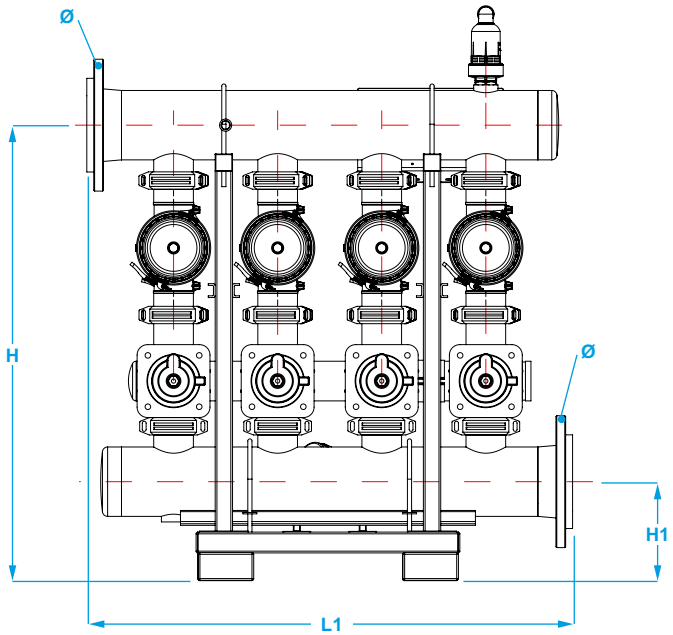
Characteristics

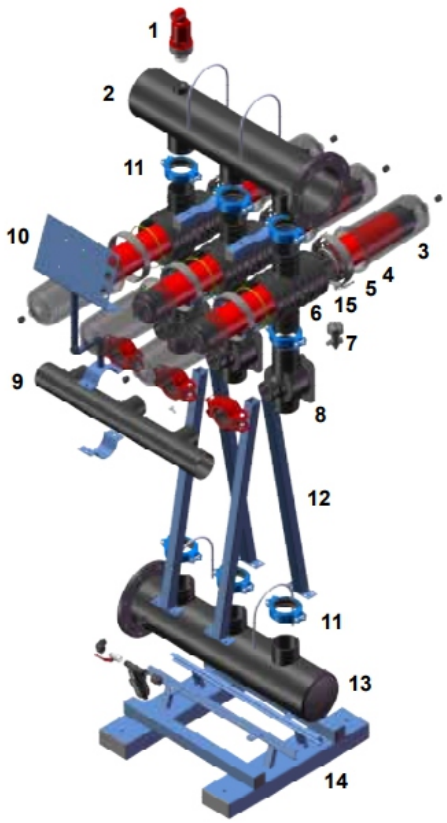
No. filters	Ref. listino	Rec.max. flowrate (m^3/h)	Øcollector	Bypasses	Collector	Discharge
3	**IFRDL403RFPEL**	192	8"-200mm	flanged	HDPE	3"-90mm
4	**IFRDL404RFPEL**	256	8"-200mm	flanged	HDPE	3"-90mm
5	**IFRDL405TFPEL**	320	10"-250mm	flanged	HDPE	3"-90mm
6	**IFRDL406TFPEL**	384	10"-250mm	flanged	HDPE	3"-90mm
7	**IFRDL407TFPEL**	448	10"-250mm	flanged	HDPE	3"-90mm
8	**IFRDL408VFPEL**	512	12"-315mm	flanged	HDPE	3"-90mm
9	**IFRDL409VFPEL**	576	12"-315mm	flanged	HDPE	3"-90mm
10	**IFRDL410VFPEL**	640	12"-315mm	flanged	HDPE	3"-90mm

Dimensions

Ø (inches-DN)	L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)
DN200	1240	1120	----	----	----
DN200	1240	1420	----	----	----
DN250	1240	1720	----	----	----
DN250	1240	2020	----	----	----
DN250	1240	2320	----	----	----
DN300	1240	2620	----	----	----
DN300	1240	2920	----	----	----
DN300	1240	3220	----	----	----







Components

N°	Description
1	air release valve
2	outlet collector
3	filter cover
4	filtering cartridge
5	metal ring
6	filter body
7	hydraulic relay
8	3-way valve 4"
9	discharge collector
10	automation bracket
11	victaulic fitting4"
12	support structure
13	inlet collector
14	station base
15	cover o-ring

NOTE :

IRRITEC® metal filters are constructed using state-of-the-art machinery and materials; high-precision welding, cutting and piercing guarantee reliability. The welders assigned to manufacture metal filters are all highly qualified and licensed according to UNI EN ISO 9606-1:2013. The protection obtained through polyester powders also makes the filter durable, resistant to adverse atmospheric agents and consequential and inevitable wear. The internal filtration materials are also calibrated or manufactured following scrupulous production or pressing procedures. Suitable for any type of water, IRRITEC® metal filters can be completely automatised and guarantee professional filtration for high quality irrigation systems.

Screen filters: ESV - EPV - EPV 90°

Screen filters are used in general filtering of water with small and medium size inorganic particles in suspension. The screens, mounted on stainless steel in the ESV model and in a PVC cartridge in the EPV and EPV 90°, are constructed to the highest quality standards and give the product exceptional filtering properties. Filtration grades available: 75, 120 and 155 mesh.

Disc filters: EDV - EDV 90°

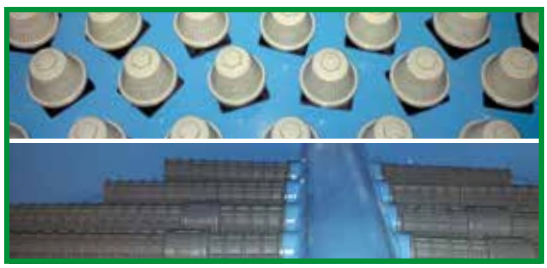
Disc filters are used in general filtering of water with small and medium size inorganic particles in suspension. The strong structure of the filtering cartridge inside, consisting of a parcel of stacked disks, minimises the risks of damage caused by overpressure or possible water hammer. It can be used both in agriculture and industry. Filtration grades available: 75, 120 and 155 mesh.

Self-cleaning screen filter: EAV - EBV

Self-cleaning screen filters are particularly suitable for the filtration of water with small and moderate quantities of sand in suspension. Inside the cartridge (PVC case with stainless steel mesh) is an adjustable pierced plate which causes the water passing through to spiral. This whirling action prevents the build-up of impurities on the internal wall of the cartridge. In the EBV version the filter is fitted with a manually operated rotating brush, which removes the particles accumulated on the internal wall of the filter cartridge. Filtration grades available: 75, 120 and 155 mesh.

Quartzite sand filter: EUV - EHV - ECV - ERV - ER3V - EQ3V

The quartzite sand filter is particularly suitable for filtering water containing large quantities of organic substances: algae, mud and slimy organic particles. They are recommended for water from rivers, lakes or dams. Specially designed spreader nozzles are wisely distributed and located inside a horizontal plate to prevent the quartzite becoming compacted, and thus minimising pressure loss across the entire system. The quartzite sand filter can be installed singularly (in the single EUV and EHV version or the double-chamber ERV and ER3V versions, EQ3V four-chamber version), or as a series of two or more filters. In both cases backwashing can be manual or automatic.



Hydro-cyclone sand separator: EIV

The hydro-cyclone filter is used for irrigation water taken from wells, rivers and lakes, containing considerable quantities of sand in suspension. The tangential entry of water generates a whirling motion with a centrifugal movement which enables the separation of water and heavy particles. Their different density and specific weight cause the water to exit from the upper outlet while the heavier sand falls into the centre of the conical structure, to be caught in the container below. On the bottom of the cone there is a reduction that protects the filters from wear caused by the abrasive action of the sand. The reduction is easily replaceable during routine maintenance operations. These filters can be supplied with an optional accumulator tank which allows the separated sand to be compacted and discharged through a manual/electric valve at regular intervals.

EPV

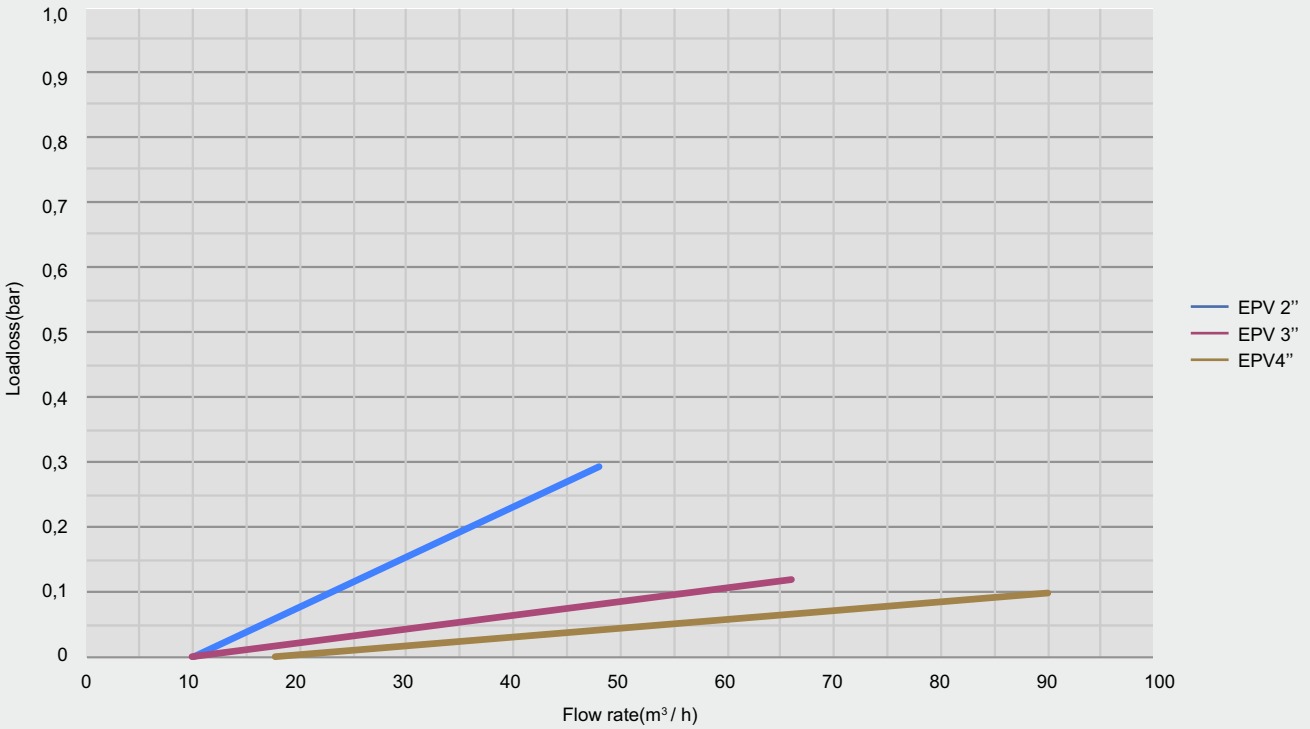
Applications
The EPV screen filter is used for general filtering of water with small and medium sized suspended inorganic particles.

Materials
• Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
• Filtering element: perforated PVC tube and mesh in stainless steel AISI 304.
• Gaskets: EPDM

Characteristics
• Maximum working pressure: 8 bar
• Standard filtration grade: 120 mesh
(filtration available: 80, 120, 150 mesh)
• Types of connection: threaded, flanged, victaulic
• The filter is supplied with a discharge valve

Filtering element

Load loss*



*Testing for load loss was carried out with clean water.

METAL FILTERS - ONLINE FILTER WITH PVC

EPV

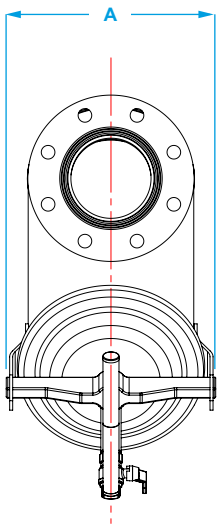
Technical data

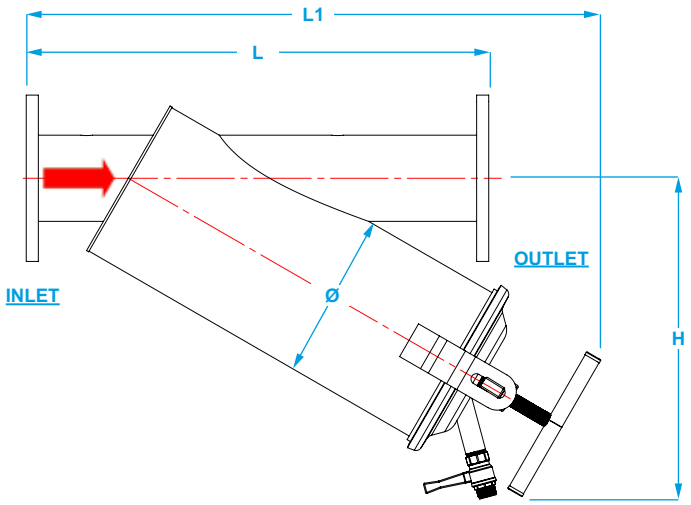
Bypasses	Pricelist ref.	Øbody (mm)	Flow rate (m^3/h)	Filtration area (cm^2)
2"	**IFEPV20H12**	168,30	15 - 30	1055
3"	**IFEPV30H12**	168,30	25-40	1625
3"	**IFEPV30H12**	168,30	25-40	1625
4"	**IFEPV40H12**	219,10	40-80	2318
4"	**IFEPV40H12**	219,10	40-80	2318
5"	**IFEPV50H12**	219,10	80-110	3014
6"	**IFEPV60H12**	273,00	110 - 150	4929
8"	**IFEPV80H12**	219,10*	150 - 300	6028

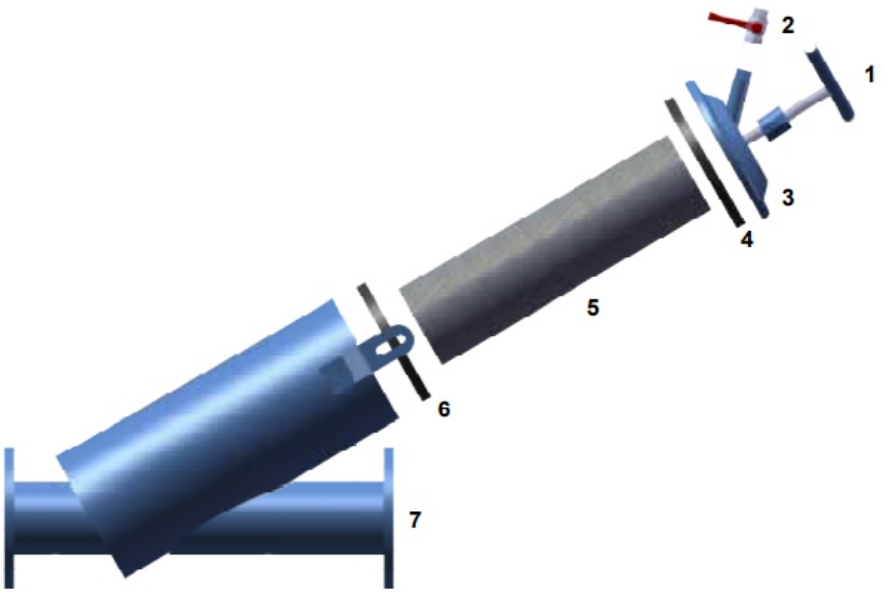
Connection type: **H** female threaded; **F** flanged; **W** victaulic
**Y filter body*

Dimensions

L (mm)	L1 (mm)	A (mm)	H (mm)	H1 (mm)	Ø (inches)	Ø1 (mm)	Weight(kg)	
							H - W	F
450	530	275	325	----	----	----	----	----
660	710	275	355	----	----	----	----	----
660	710	275	335	----	----	----	----	----
780	810	275	400	----	----	----	----	----
720	780	275	400	----	----	----	----	----
720	930	275	550	----	----	----	----	----
950	1050	320	600	----	----	----	----	----
1350	----	275	800	----	----	----	----	----







Components

Number	Description
1	t-handle
2	discharge valve
3	cover
4	cover gasket
5	filtering cartridge
6	internal gasket
7	filter body

METAL FILTERS - 90° FILTER WITH PVC

EPV 90

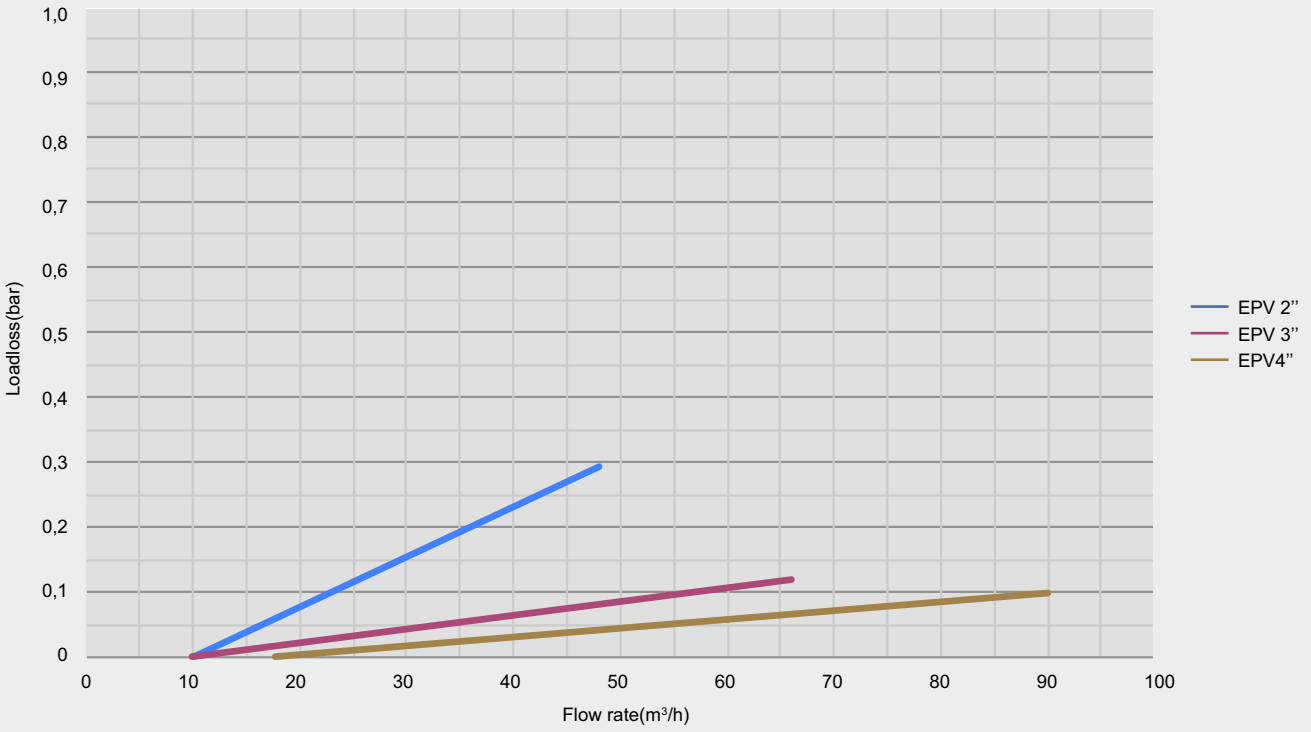
Applications
The EPV screen filter is used for general filtering of water with small and medium sized suspended inorganic particles.

Materials
• Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
• Filtering element: perforated PVC tube and mesh in stainless steel AISI 304.
• Gaskets: EPDM

Characteristics
• Maximum working pressure: 8 bar
• Standard filtration grade: 120 mesh
(filtration available: 80, 120, 150 mesh)
• Types of connection: threaded, flanged, victaulic
• The filter is supplied with a discharge valve

Filtering element

Load loss*



*Testing for load loss was carried out with clean water.

METAL FILTERS - 90° FILTER WITH PVC

EPV 90

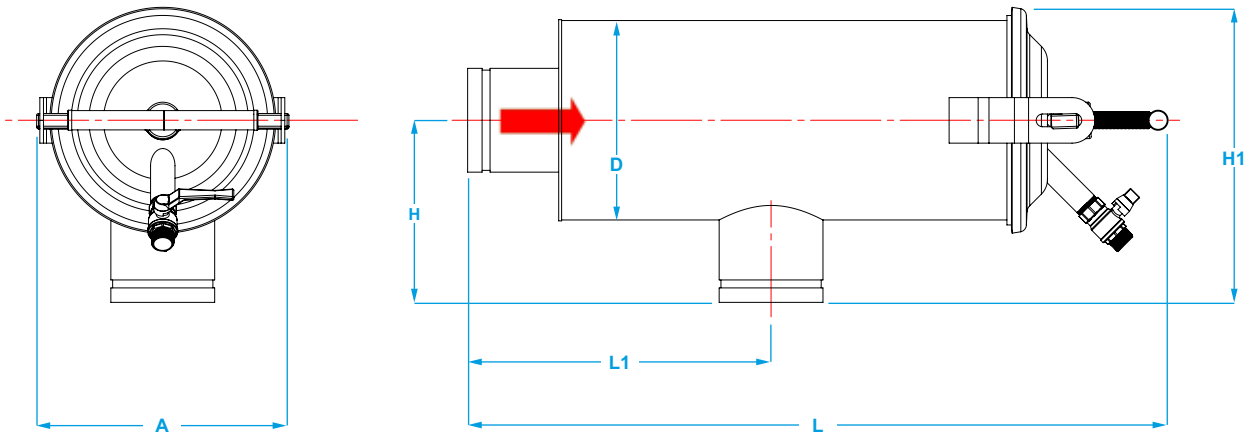
Technical data

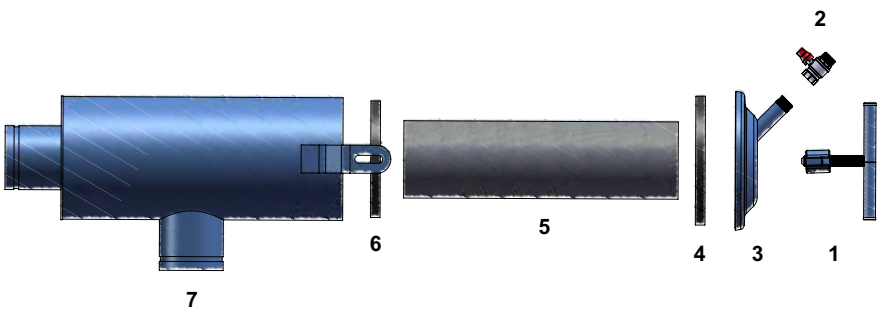
Bypasses	Pricelist ref.	Øbody (mm)	Flow rate (m^3/h)	Filtration area (cm^2)
2"	**IFEPV9020H12**	168,30	15 - 30	1055
3"	**IFEPV9020H12**	168,30	25-40	1625
4"	**IFEPV9020H12**	219,10	40-80	3014
6"	**IFEPV9020H12**	273,00	110 - 150	4929

Connection type: **H** female threaded; **F** flanged; **W** victaulic

Dimensions

L (mm)	L1 (mm)	A (mm)	H (mm)	H1 (mm)	Ø (inches)	Ø1 (mm)	Weight(kg)	
							H - W	F
500	240	275	175	270	----	----	----	----
640	300	275	200	290	----	----	----	----
750	360	275	225	350	----	----	----	----
1050	450	320	280	420	----	----	----	----





Components

Number	Description
1	t-handle
2	discharge valve
3	cover
4	cover gasket
5	filtering cartridge
6	internal gasket
7	filter body

EDV

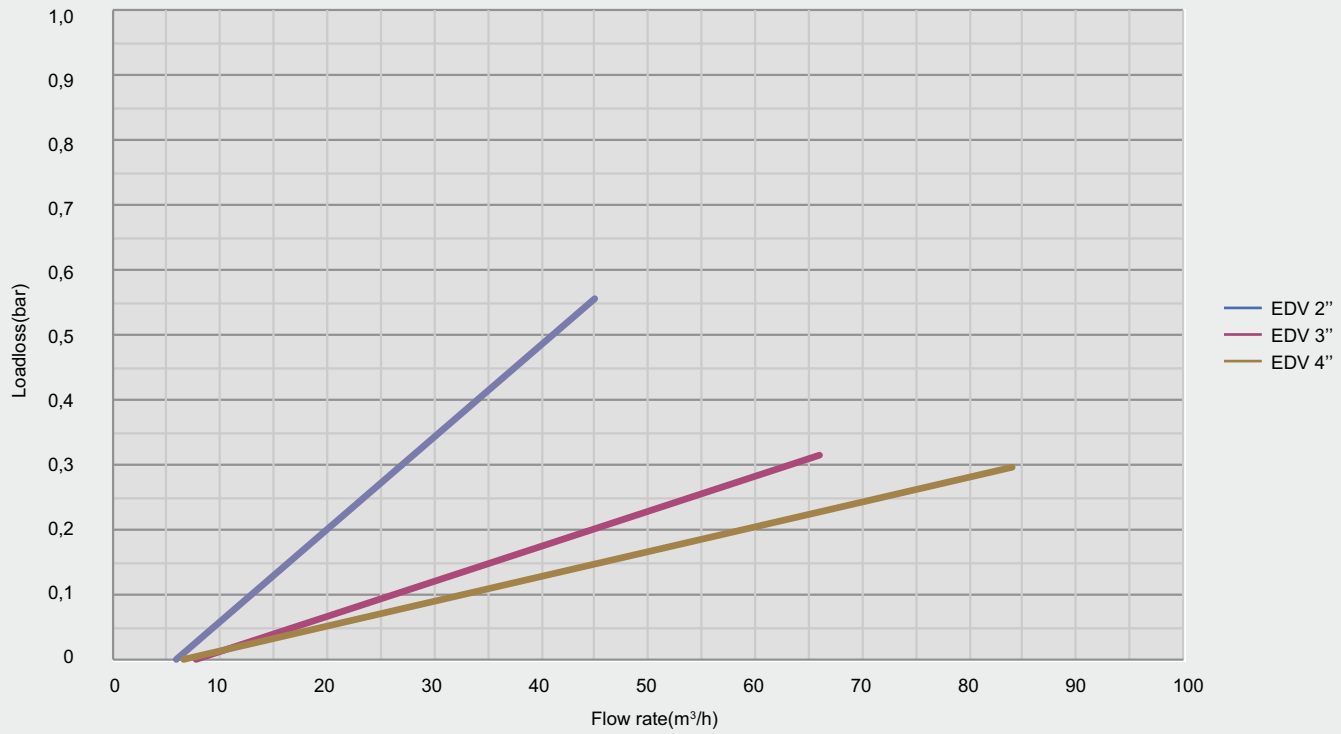
Applications
The EDV disk filter is used for filtering of water with small and medium sized suspended inorganic particles. The strong structure of the filtering cartridge inside, consisting of a parcel of stacked disks, minimises the risks of damage caused by overpressure or possible water hammer. It can be used both in agriculture and industry.

Filtering element

Materials
- Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
- Filtering element: polypropylene disks.
- Gaskets: EPDM.

Characteristics
- Maximum working pressure: 8 bar
- Standard filtration grade: 120 mesh (filtration available: 80, 120, 150 mesh)
- Types of connection: threaded, flanged, victaulic
- The filter is supplied with a discharge valve

Load loss*



*Testing for load loss was carried out with clean water.

EDV

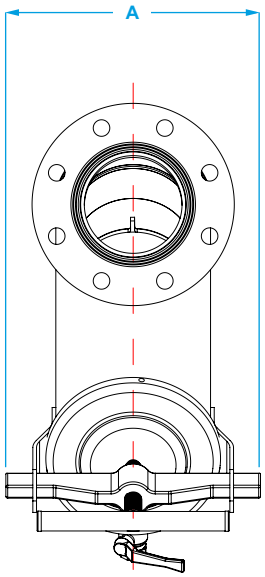
Technical data

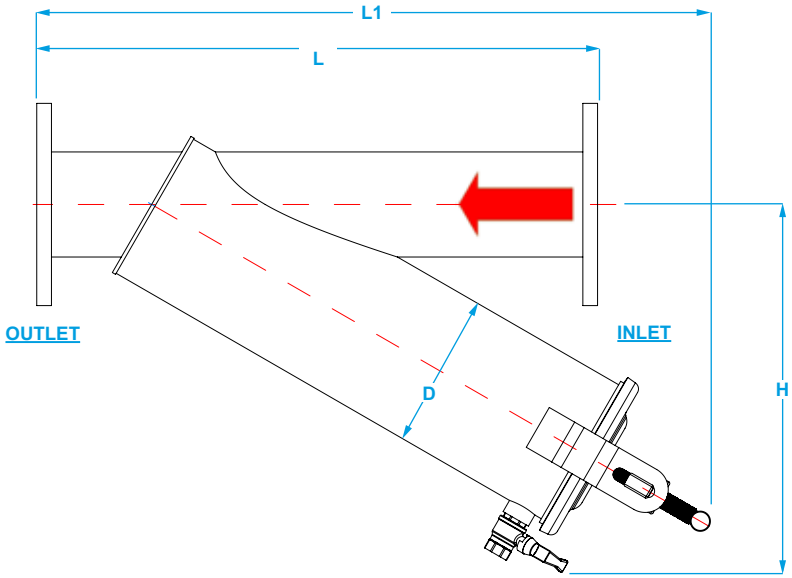
Bypasses	Pricelist ref.	Øcorpo (mm)	Flow rate (m^3/h)	Filtration area (cm^2)
2"	**IFEDV20H12**	168,30	15 - 30	1196
3"	**IFEDV20H12**	168,30	25-40	1402
3"	**IFEDV20H12**	168,30	25-40	1402
4"	**IFEDV20H12**	219,10	40-80	1868
4"	**IFEDV20H12**	219,10	40-80	1868

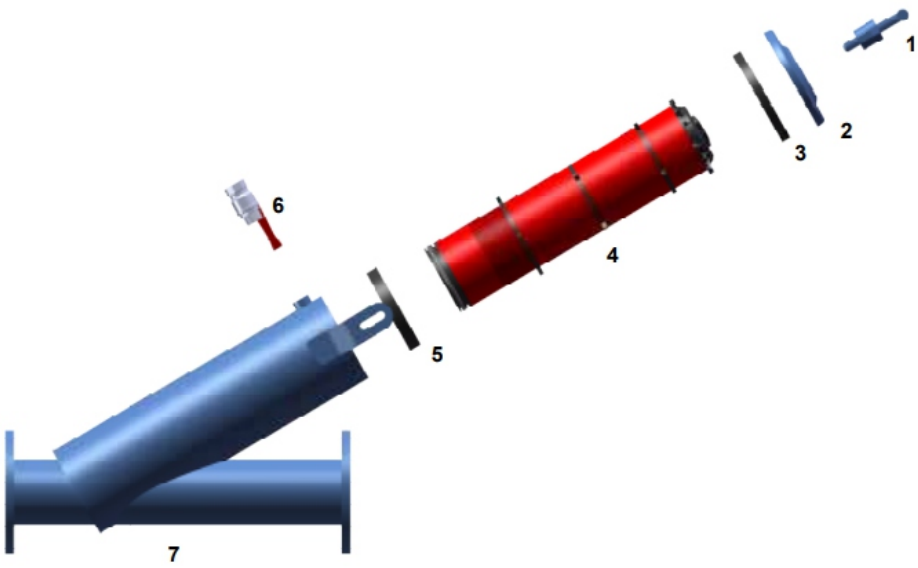
Connectiontype: H female threaded; F flanged; W victaulic

Dimensions

L (mm)	L1 (mm)	A (mm)	H (mm)	H1 (mm)	Ø (inches)	Ø1 (mm)	Weight(kg)	
							H - W	F
450	550	275	335	----	----	----	14	----
660	740	275	345	----	----	----	20	27
690	690	275	345	----	----	----	20	27
780	820	275	390	----	----	----	25	34
770	770	275	390	----	----	----	25	34







Components

Number	Description
1	t-handle
2	cover
3	cover gasket
4	filtering cartridge dischi
5	internal gasket
6	discharge valve
7	filter body

METAL FILTERS - ONLINE DISK FILTER

EDV 90

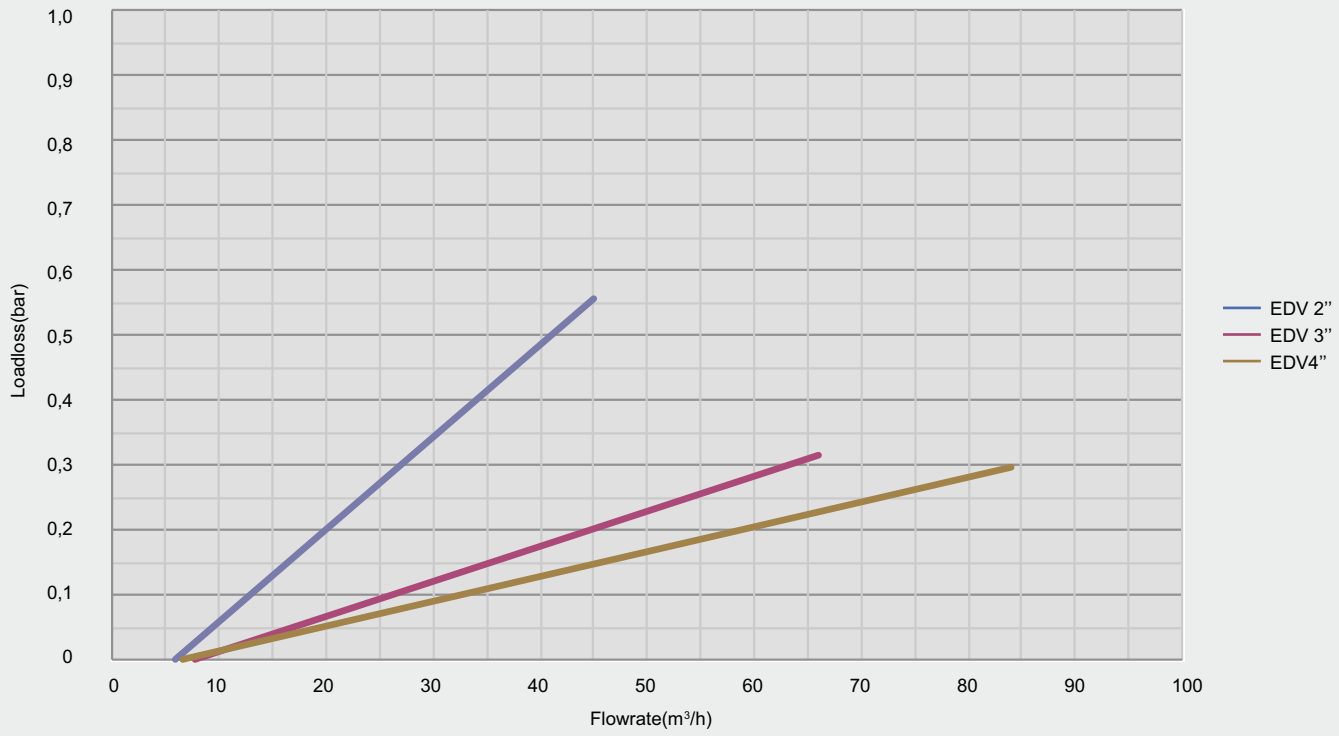
Applications
The EDV disk filter is used for filtering of water with small and medium sized suspended inorganic particles. The strong structure of the filtering cartridge inside, consisting of a parcel of stacked disks, minimises the risks of damage caused by overpressure or possible water hammer. It can be used both in agriculture and industry.

Filtering element

Materials
- Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
- Filtering element: polypropylene disks.
- Gaskets: EPDM.

Characteristics
- Maximum working pressure: 8 bar
- Standard filtration grade: 120 mesh
 (filtration available: 80, 120, 150 mesh)
- Types of connection: threaded, flanged, victaulic
- The filter is supplied with a discharge valve

Load loss*



Testing for load loss was carried out with clean water.

METAL FILTERS - 90° DISK FILTER

EDV 90

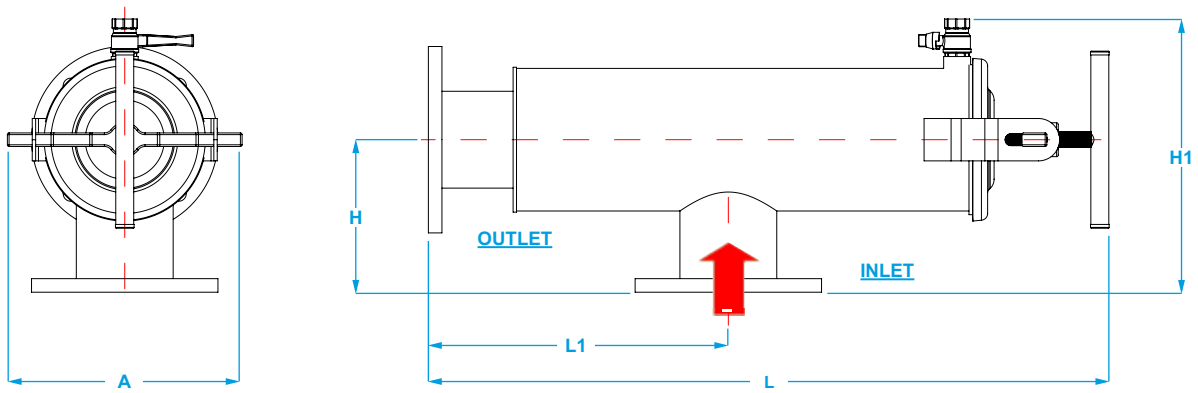
Technical data

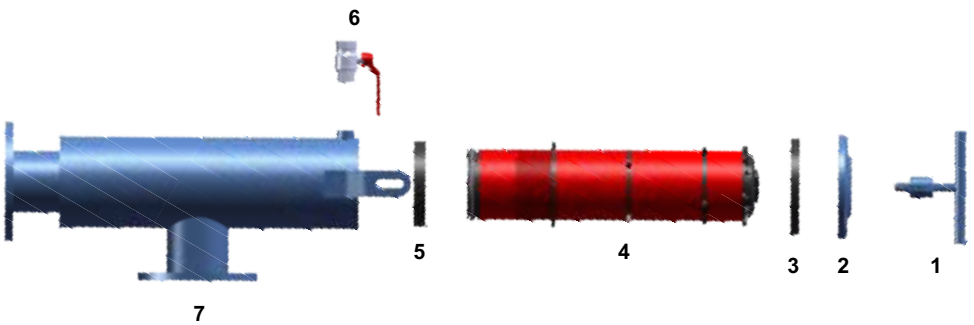
Bypasses	Pricelist ref.	Øbody (mm)	Flow rate (m^3/h)	Filtration area (cm^2)
2"	**IFEDV9020H12**	168,30	15 - 30	1196
3"	**IFEDV9030H12**	168,30	25-40	1402
4"	**IFEDV9040H12**	219,10	40-80	1868

Connectiontype: **H** female threaded; **F** flanged; **W** victaulic

Dimensions

L (mm)	L1 (mm)	A (mm)	H (mm)	H1(mm)	Ø (inches)	Ø1 (mm)	Weight(kg)	
							H - W	F
525	240	275	175	270	----	----	14	----
650	300	275	200	290	----	----	20	----
760	370	275	210	300	----	----	25	----





Components

Number	Description
1	t-handle
2	cover
3	cover gasket
4	filtering cartridge dischi
5	internal gasket
6	discharge valve
7	filter body

METAL FILTERS - ONLINE SELF CLEANING SCREEN FILTER WITH BRUSH

EBV

Applications

Self-cleaning screen filters with EBV brushes, particularly suitable for the filtration of water with small and medium suspended quantities of sand. Inside the cartridge, there is a punched plate. When water flows through it, it creates a vortical flow whose turbulent action avoids the accumulation of impurities on the filtering cartridge. For faster cleaning, the filter is also equipped with an internal brush positioned on the cover which allows cleaning of the filtering cartridge without having to dismantle the filter.

Filtering element

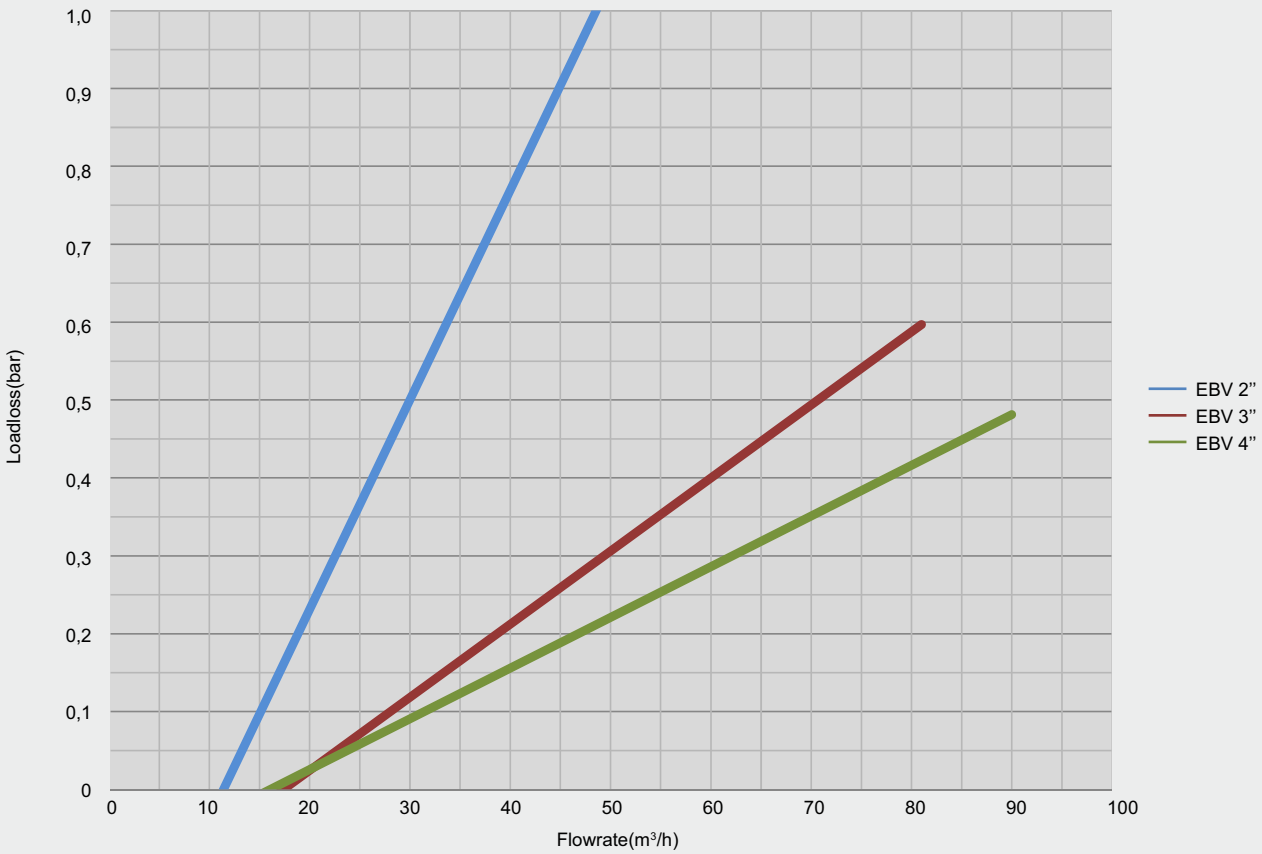
Materials

- Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
- Filtering element: perforated PVC tube and mesh in stainless steelAISI 304.
- Gaskets: EPDM
- Punched plate: in EPDM and for DN150 in PVC

Characteristics

- Maximum working pressure: 8 bar
- Standard filtration grade: 120 mesh
  (filtration available: 80, 120, 150 mesh)
- Types of connection: threaded, flanged, victaulic
- The filter is supplied with a discharge valve

Load loss*



METAL FILTERS - ONLINE SELF CLEANING SCREEN FILTER WITH BRUSH

EBV

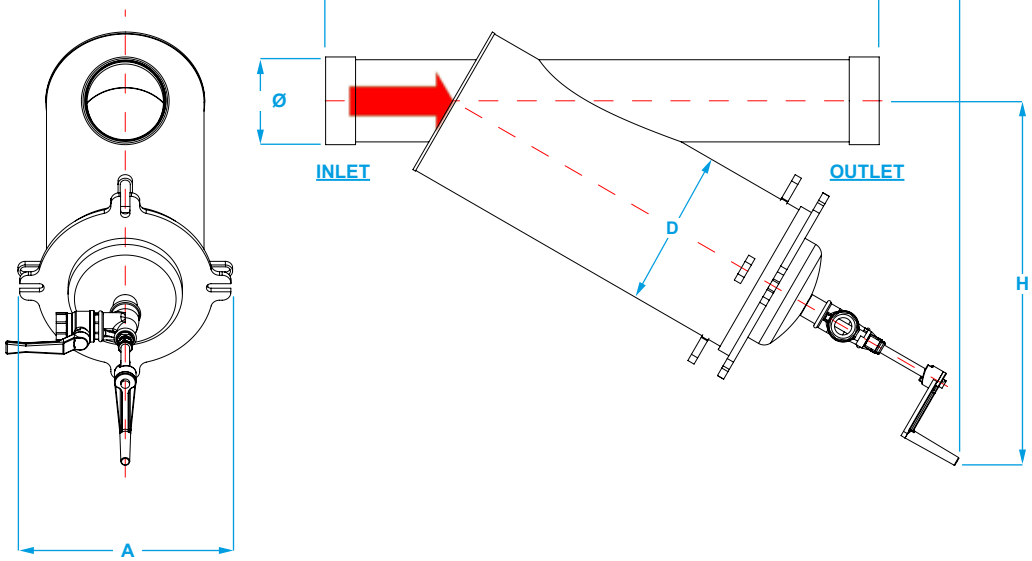
Technical data

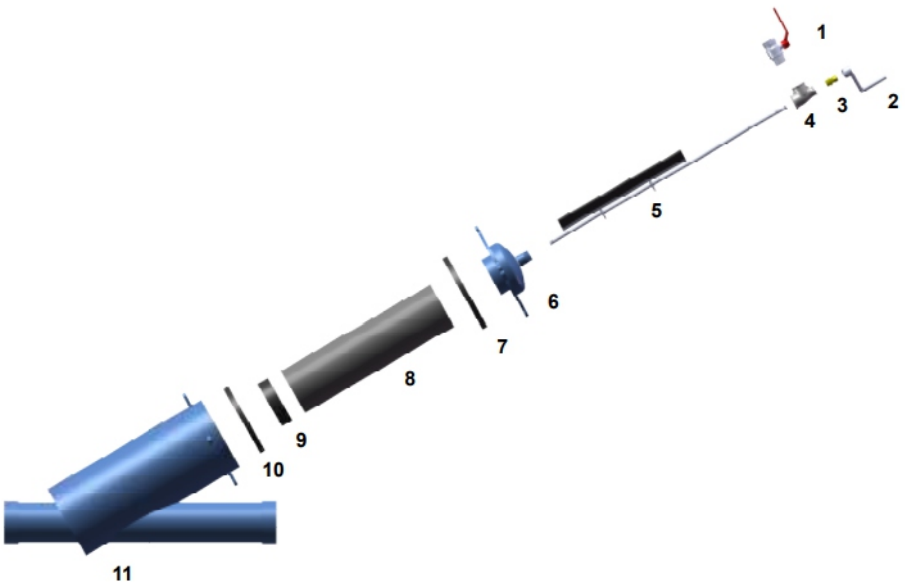
Bypasses	Pricelist ref.	Øbody (mm)	Flow rate (m^3/h)	Filtration area (cm^2)
2"	**IFEBV20H12**	168,30	11 - 31	1333
3"	**IFEBV20H12**	168,30	12-40	2000
3"	**IFEBV20H12**	168,30	12-40	2000
4"	**IFEBV20H12**	219,10	20-70	2667
4"	**IFEBV20H12**	219,10	20-70	2667
5"	**IFEBV20H12**	219,00	40-110	3014
6"	**IFEBV20H12**	273,00	70-150	4929

Connectiontype: H female threaded; F flanged; W victaulic

Dimensions

L (mm)	L1 (mm)	A (mm)	H (mm)	H1 (mm)	Ø (inches)	Ø1 (mm)	Weight(kg)	
							H - W	F
440	560	295	350	----	----	----	14	----
660	790	295	420	----	----	----	20	27
660	790	295	420	----	----	----	20	27
770	880	295	500	----	----	----	25	34
770	880	295	500	----	----	----	25	34
720	960	275	590	----	----	----	----	----
950	1100	320	640	----	----	----	----	----





Components

Number	Description
1	discharge valve
2	handle
3	ogive
4	tee
5	shaft with brush
6	cover
7	cover gasket
8	filtering cartridge
9	punched plate
10	internal gasket
11	filter body

METAL FILTERS - ONLINE SELF CLEANING SCREEN FILTER + PVC

EAV

Applications

EAV self-cleaning screen filters, particularly suitable for the filtration of water with small and medium suspended quantities of sand. Inside the cartridge, there is a punched plate. When water flows through it, it creates a vortical flow whose turbulent action avoids the accumulation of impurities on the surface of the filtering cartridge.

Filtering element

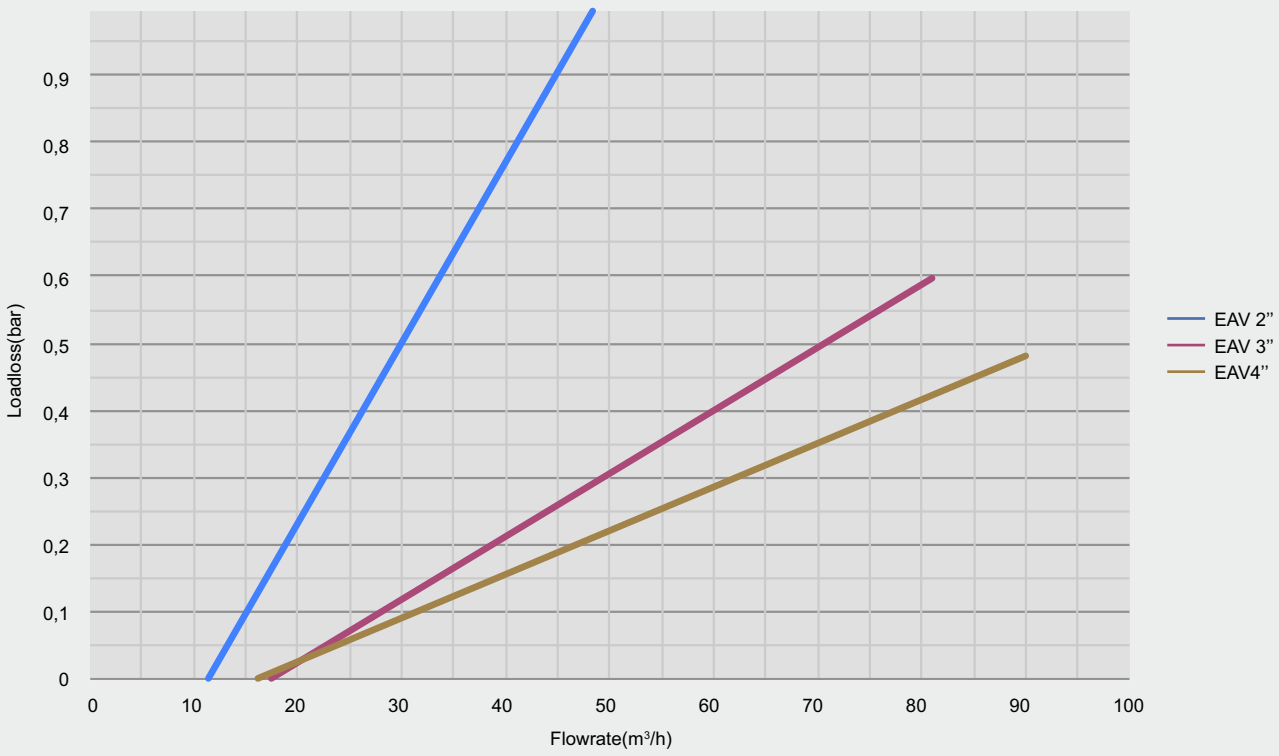
Materials

- Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
- Filtering element: perforated PVC tube and mesh in stainless steelAISI 304.
- Gaskets: EPDM
- Punched plate: in EPDM and for DN150 in PVC

Characteristics

- Maximum working pressure: 8 bar
- Standard filtration grade: 120 mesh
  (filtration available: 80, 120, 150 mesh)
- Types of connection: threaded, flanged, victaulic
- The filter is supplied with a discharge valve

Load loss*



**Testing for load loss was carried out with clean water.*

METAL FILTERS - ONLINE SELF CLEANING SCREEN FILTER + PVC

EAV

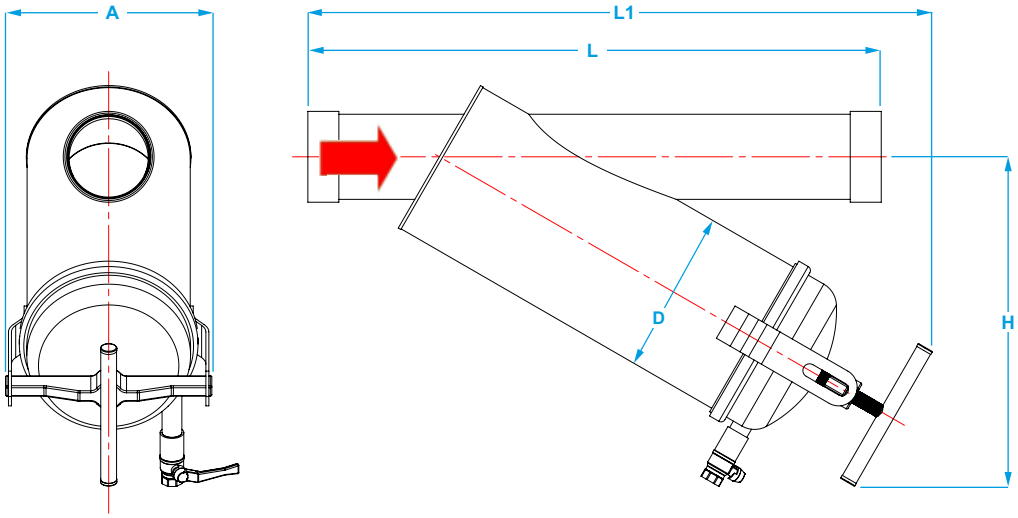
Technical data

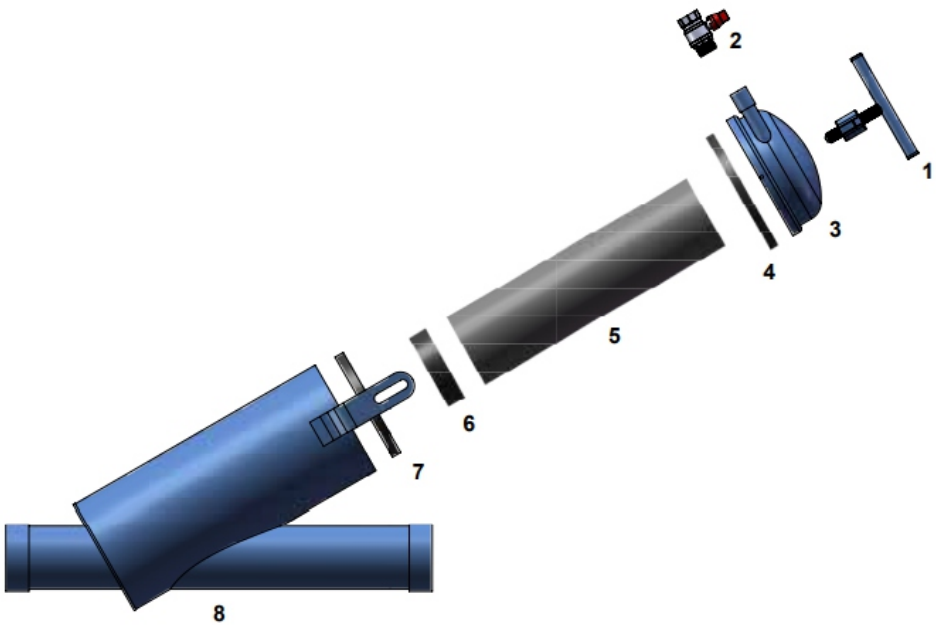
Bypasses	Pricelist ref.	Øcorpo (mm)	Flow rate (m^3/h)	Filtration area (cm^2)
2"	IFEAV20H12	168,30	11 - 31	1055
3"	IFEAV20H12	168,30	12-40	1625
3"	IFEAV20H12	168,30	12-40	1625
4"	IFEAV20H12	219,10	20-70	2318
4"	IFEAV20H12	219,10	20-70	2318
5"	IFEAV20H12	219,10	40-110	3014
6"	IFEAV20H12	273,00	70-150	4929
8"	IFEAV20H12	219,10*	100-240	6028

Connectiontype: H female threaded; F flanged; W victaulic
**Y filter body*

Dimensions

L (mm)	L1 (mm)	A (mm)	H (mm)	H1 (mm)	Ø (inches)	Ø1 (mm)	Weight(kg)	
							H - W	F
450	530	275	325	----	----	----	----	----
660	710	275	355	----	----	----	----	----
660	710	275	335	----	----	----	----	----
780	810	275	400	----	----	----	----	----
720	780	275	400	----	----	----	----	----
720	930	275	550	----	----	----	----	----
950	1050	320	600	----	----	----	----	----
1350	----	275	800	----	----	----	----	----





Components

Number	Description
1	t-handle
2	discharge valve
3	cover
4	cover gasket
5	filtering cartridge
6	punched plate(DN150)
7	internal gasket
8	filter body

ESV

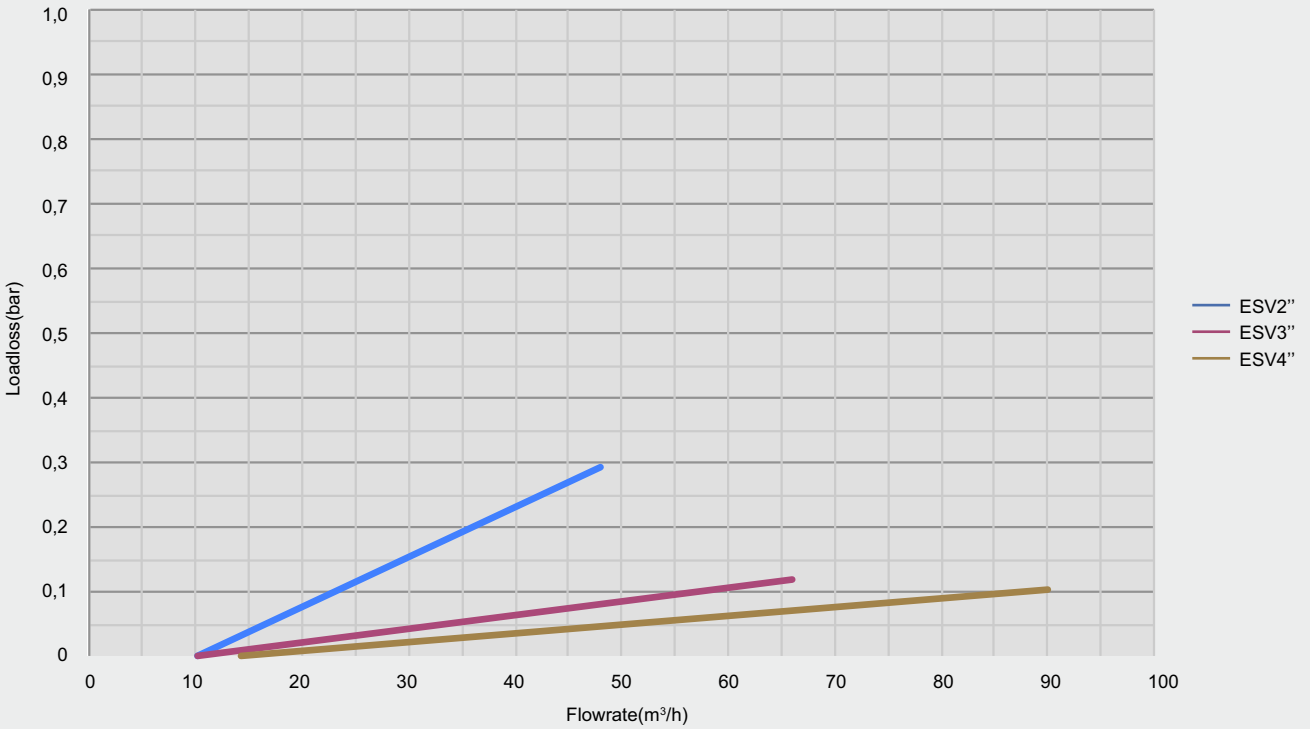
Applications
The ESV screen filter is used for filtering of water with small and medium sized suspended inorganic particles.

Materials
• Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
• Filtering element: stainless steelAISI 304 with polyester mesh.
• Gaskets: EPDM

Characteristics
• Maximum working pressure: 8 bar
• Standard filtration grade: 120 mesh
(filtration available: 50, 80, 120, 150, 200 mesh)
• Types of connection: threaded, flanged, victaulic
• The filter is supplied with a discharge valve

Filtering element

Load loss*



*Testing for load loss was carried out with clean water.

METAL FILTERS - ONLINE SCREEN FILTER WITH BRUSH

ESV

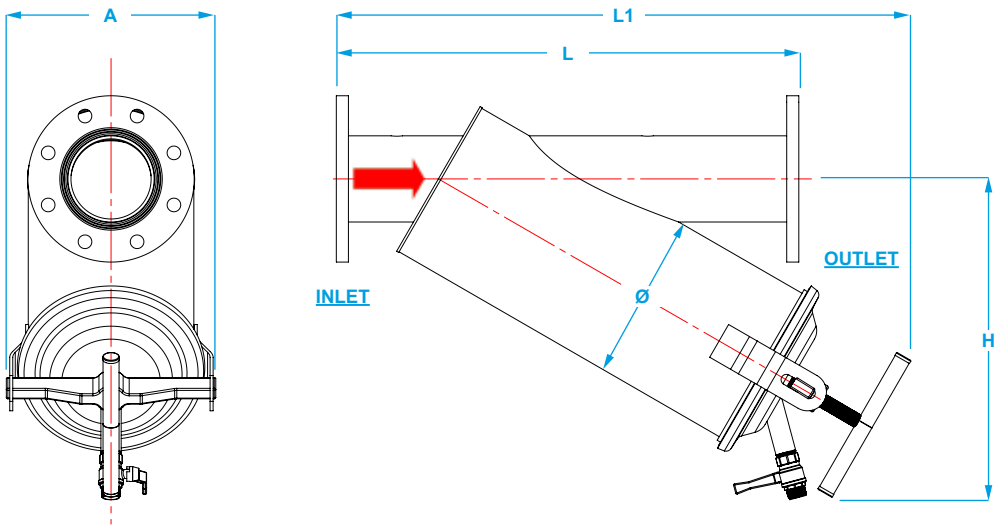
Technical data

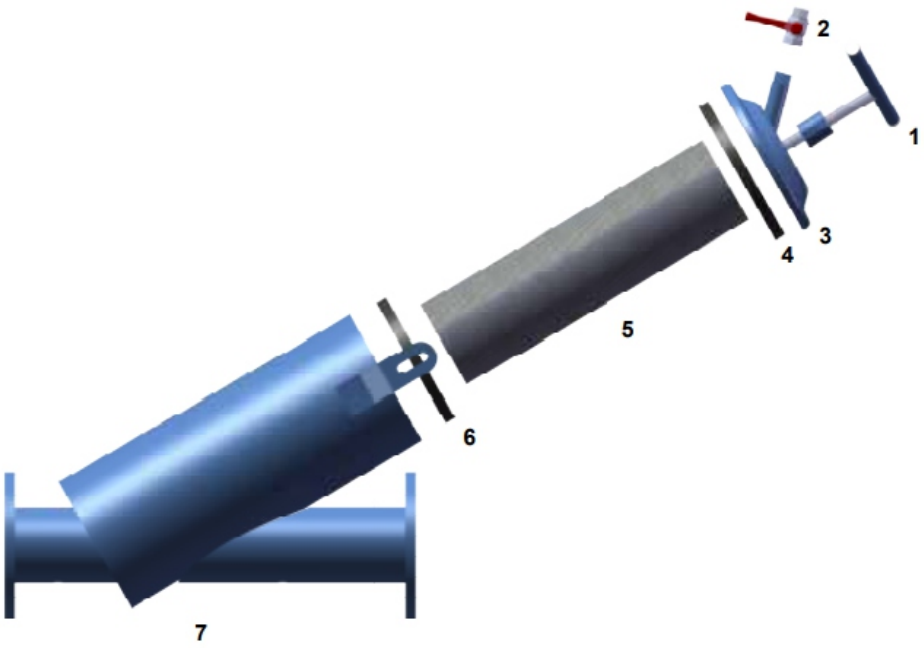
Bypasses	Pricelist ref.	Øcorpo (mm)	Flow rate (m^3/h)	Filtration area (cm^2)
2"	**IFESV20H12**	168,30	15 - 30	1270
3"	**IFESV20H12**	168,30	25-40	1704
3"	**IFESV20H12**	168,30	25-40	1704
4"	**IFESV20H12**	219,10	40-80	2137
4"	**IFESV20H12**	219,10	40-80	2137
5"	**IFESV20H12**	219,10	80-110	2775
6"	**IFESV20H12**	219,10	110 - 150	4769

Connectiontype: H female threaded; F flanged; W victaulic

Dimensions

L(mm)	L1(mm)	A(mm)	H(mm)	Weight(kg)	
				H - W	F
450	530	275	325	10	----
660	710	275	335	13	22
610	660	275	335	13	22
780	810	275	400	24	33
720	780	275	400	24	33
750	930	275	500	----	39
780	1300	275	710	----	60





Components

Number	Description
1	t-handle
2	discharge valve
3	cover
4	cover gasket
5	filtering cartridge
6	internal gasket
7	filter body

EIV

Applications

Hydro-cyclonefiltersareusedforirrigationwaterfromwells,riversand lakes, with a considerable amount of suspended sand. The tangential entry ofwatergeneratesawhirlingmotionwithacentrifugalmovementwhich enables the separation of water and heavy particles. Due to the difference indensity,infact,thewaterwillcomeoutfromthetopwhiletheheavier sandwillprecipitatetothecentreofthewhirlpoolaccumulatinginthe specific container beneath. On the bottom of the cone there is a reduction that protects the filters from wear caused by the abrasive action of the sand. The reduction is easily replaceable during routine maintenance operations. Such filters can be equipped with a storage container which allows storage of the separated sand, and discharge it thanks to the the opening of a valve (manual/electric)atconstantintervals.

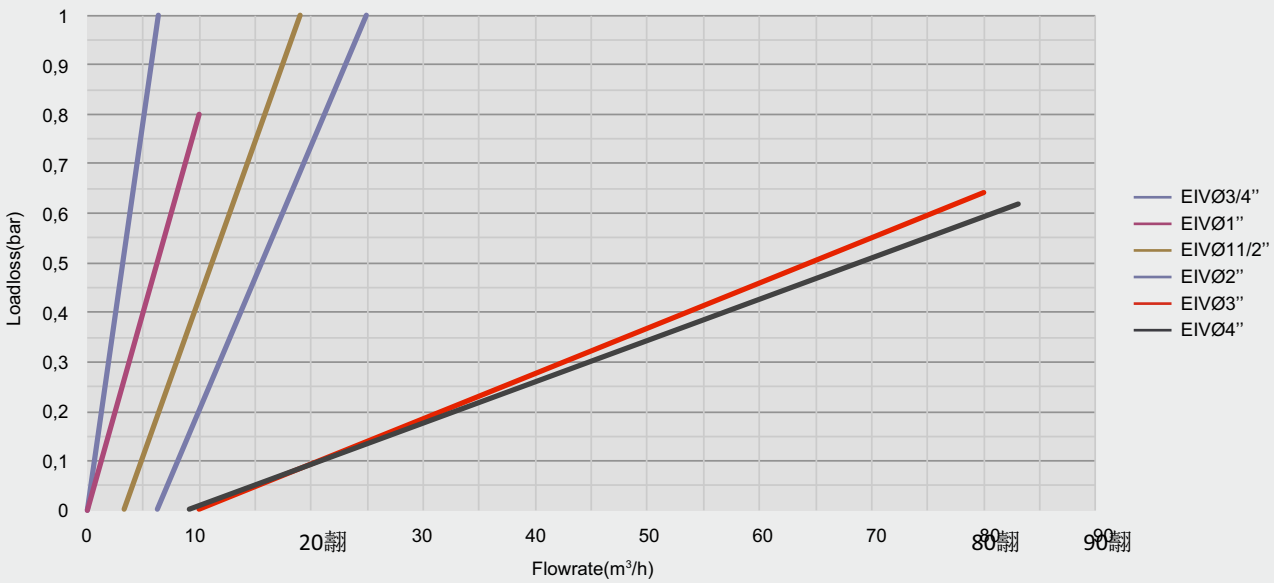
Materials

- Body:insandedmetaltreatedwithphosphatezincandfollowedbyan electrostaticapplicationofalayerofpolyesterpaint,minimumthickness160 micron,withaprotectiveandanti-corrosionfunction.
- Gaskets:EPDM

Characteristics

- Maximumworkingpressure:8bar
- Typesofconnection:threaded,flanged,victaulic
- Thefilterissuppliedwithadischargevalve

Load loss*



*Testing for load loss was carried out with clean water.

METAL FILTERS - SAND SEPARATOR

EIV

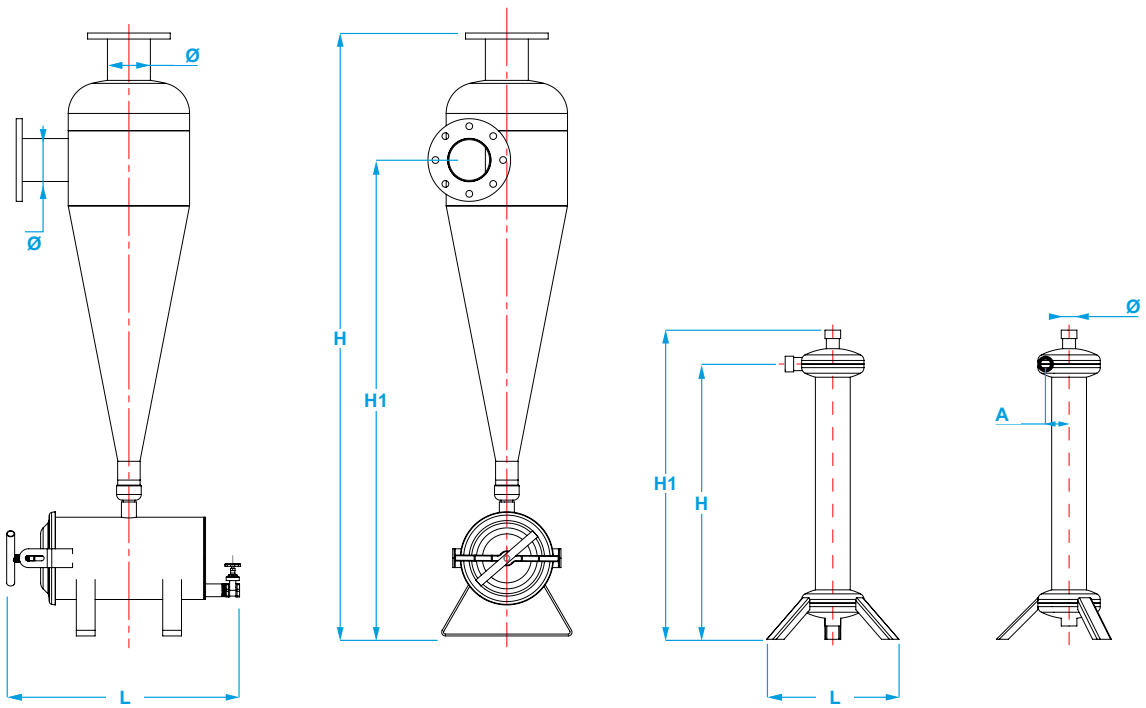
Technical data

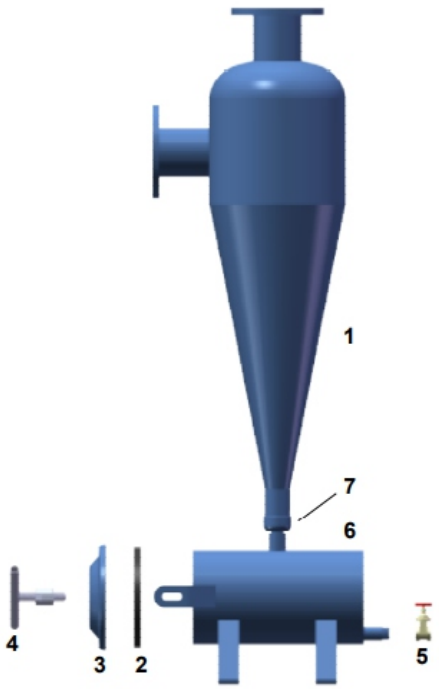
Bypasses	Pricelist ref.	Øbody (mm)	Flow rate (m^3/h)	Filtration area (cm^2)
Ø3/4"	IFEIV03H	90,00	3 - 5	-
Ø1"	IFEIV03H	90,00	5 - 12	-
Ø11/2"	IFEIV03H	90,00	10 - 16	-
Ø2"	IFEIV20#219	219,00	15 - 25	-
Ø3"	IFEIV20#219	219,00	30 - 50	-
Ø3"	IFEIV20#219	320,00	40-60	-
Ø4"	IFEIV20#219	320,00	50-80	-
Ø5"	IFEIV20#219	400,00	80-120	-

Connectiontype: H female threaded; F flanged; W victaulic
Replace # with **H** (female threaded), **F** (flanged) or **W** (victaulic)

Dimensions

Ø (inches)	L (mm)	A (mm)	H (mm)	H1 (mm)	Tipo	Weight(kg)	
						H - W	F
3/4	285	55	582	660	A	----	----
1	285	55	782	860	A	----	----
11/2	285	55	782	860	A	----	----
2	500	-	1250	1050	B	----	----
3	620	-	1250	1050	B	----	----
3	620	-	1600	1300	B	----	----
4	620	-	1600	1300	B	----	----
5	620	-	1950	1600	B	----	----





Components

Number	Description
1	hydro - cyclone body
2	cover gasket
3	cover
4	t-handle
5	discharge valve
6	tank
7	reduction

EUV

Applications

EUV single chamber, quartzite sand filters are particularly suitable for the filtrationofwaterwithhighamountsoforganicsubstances:algae,mud andslimyparticlesoforganicmatrix.ITisrecommendedforwaterfrom rivers,lakesordams.Thespecialdiffusers(mushroom-shaped)located inside on the horizontal plate prevent the quartzite from becoming compact decreasing pressure loss of the whole system. EUV filters can be installed individually, or in two or more filters. Backwash can be manual or automatic.

EUV TYPE A

EUV TYPE B

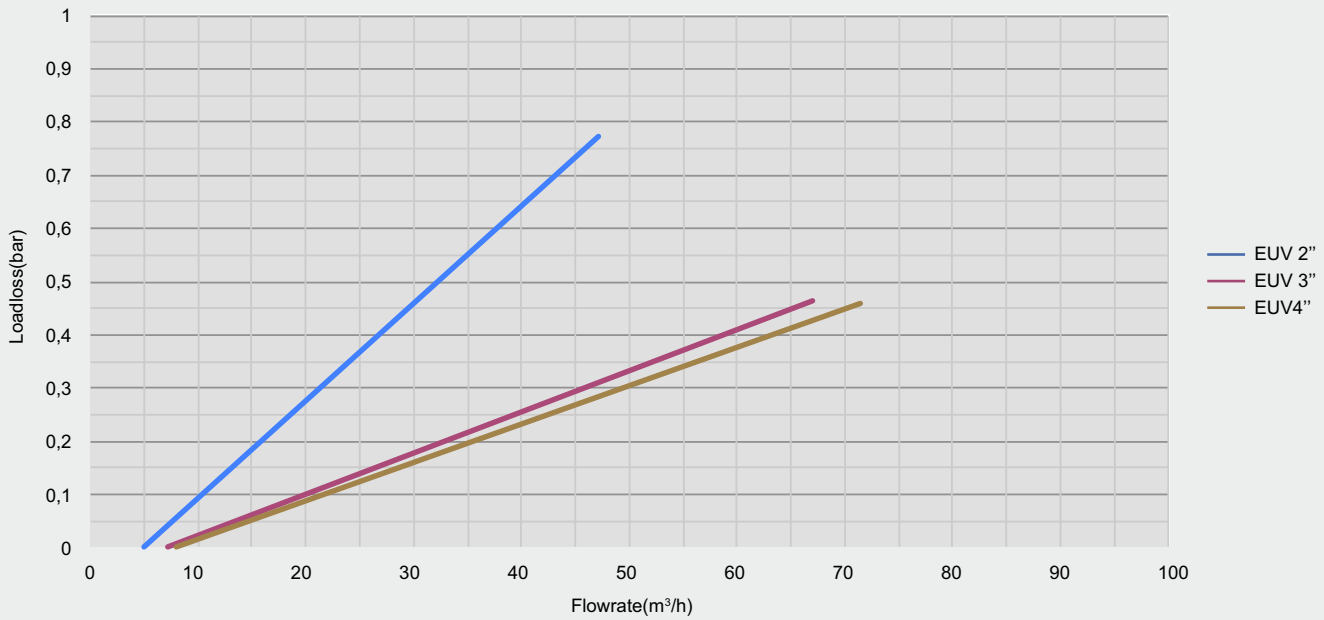
Materials

•Body:insandedmetaltreatedwithphosphatezincandfollowedbyan electrostaticapplicationofalayerofpolyesterpaint,minimumthickness 160micron,withaprotectiveandanti-corrosionfunction.
•Gaskets:EPDM
•Diffusernozzle:polypropylene(mushroom)

Characteristics

•Maximumworkingpressure:8bar
• Typesofconnection:threaded,flanged,victaulic
• Thefilterissuppliedwithadischargevalveandairreleasevalve

Load loss*



Testing for load loss was carried out with clean water.

METAL FILTERS
SINGLE CHAMBER QUARTZITE SAND FILTER (MUSHROOM DIFFUSER)

EUV

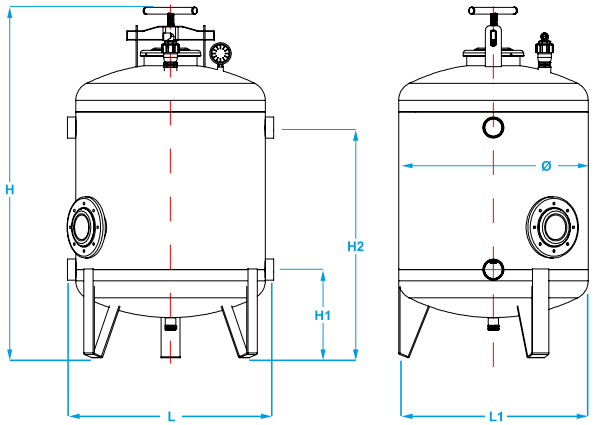
Technical data

Bypasses	Pricelist ref.	Ø body (mm)	Flow rate (m^3/h)	Min. backw. flow rate (m^3/h)
1 1/2"	**IFEUV15H400**	400	6 - 11	9
2"	**IFEUV20H500**	500	13 - 18	15
2"	**IFEUV20H600**	600	14 - 28	25
3"	**IFEUV30H600**	600	14 - 28	25
3"	**IFEUV30H900**	900	32 - 62	54
3"	**IFEUV30F900**	900	32 - 62	54
4"	**IFEUV40H900**	900	35 - 65	54
4"	**IFEUV40F900**	900	35 - 65	54
4"	**IFEUV40H1200**	1200	35 - 90	95
4"	**IFEUV40F1200**	1200	35 - 90	95

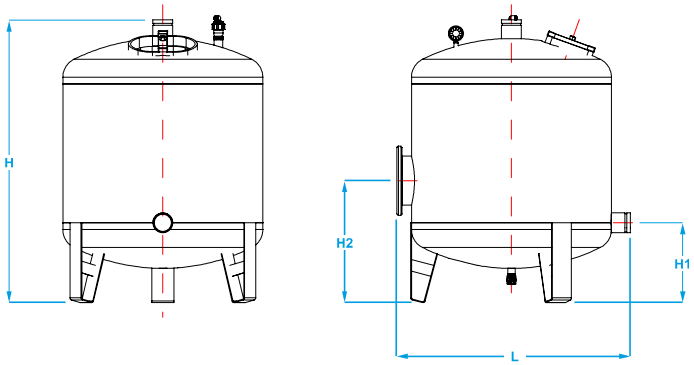
Connection type: H female threaded; F flanged; W victaulic

Dimensions

L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)	BD (mm)	Tipo	Weight (kg)	
							H - W	F
480	430	1020	270	670	400	A	----	----
650	530	1030	280	720	500	A	----	----
680	660	1060	280	730	600	A	66	----
680	660	1060	280	730	600	A	68	----
1100	----	1210	365	550	900	B	150	----
1060	----	1170	365	550	900	B	----	157
1100	----	1210	365	550	900	B	152	----
1060	----	1170	365	550	900	B	----	160
1360	----	1330	410	690	1200	B	230	----
1360	----	1310	410	690	1200	B	----	242



EUV TYPE A



EUV TYPE B

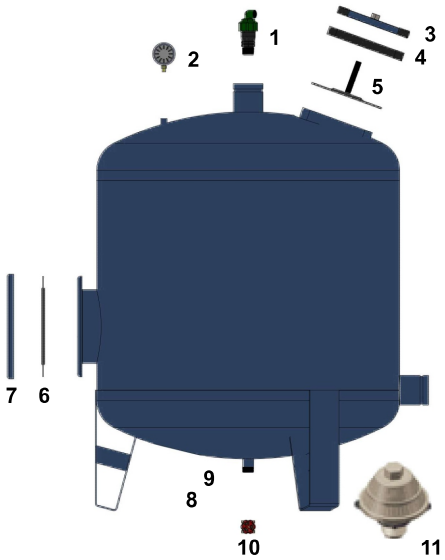
Components TYPE A

Number	Description
1	t-handle
2	cover for hatchway
3	gasket for hatchway
4	air release valve
5	purge valve
6	diffuser nozzle

Components TYPE B

Number	Description
1	air release valve
2	manometer
3	loading hatchway t-handle
4	loading hatchway gasket
5	loading hatchway cover
6	side discharge hatchway gasket
7	side discharge hatchway cover
8	lower discharge hatchway cover
9	lower discharge hatchway gasket
10	lower discharge hatch. purge valve
11	diffuser nozzle

EUV TYPE A



EUV TYPE B

METAL FILTERS
SINGLE CHAMBER QUARTZITE SAND FILTER (CYLINDRICAL DIFFUSER)

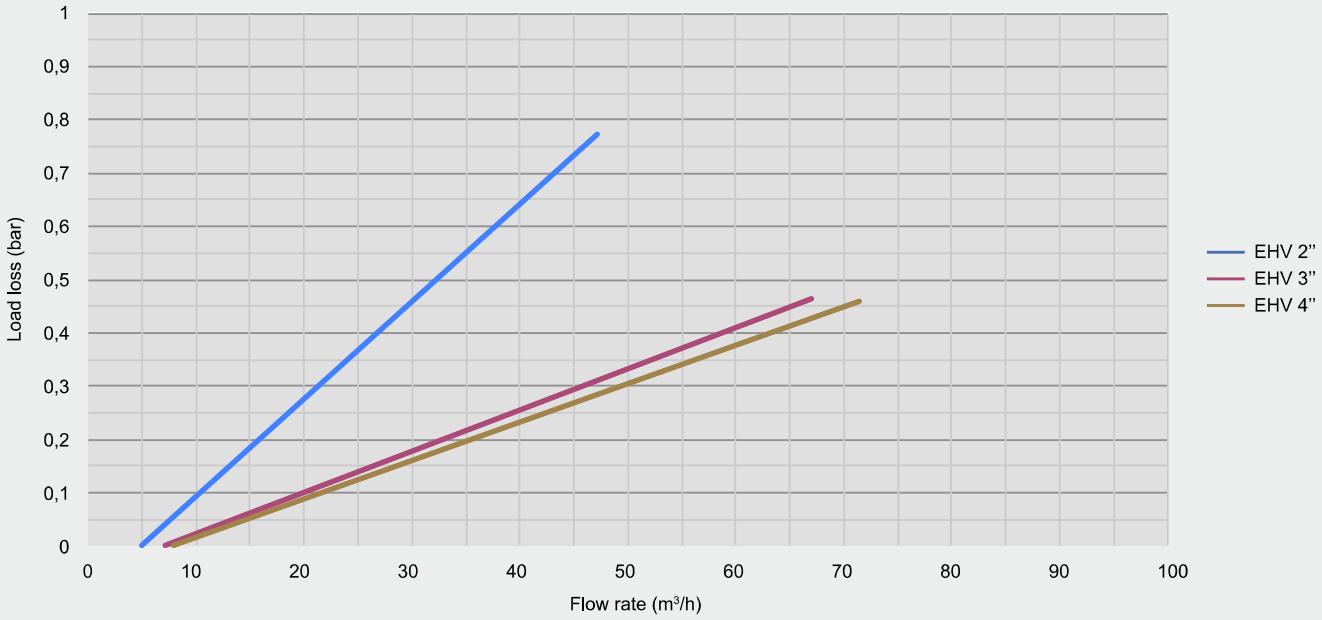
EHV

Applications
EHV single chamber, quartzite sand filters are particularly suitable for the filtration of water with high amounts of organic substances: algae, mud and slimy particles of organic matrix. IT is recommended for water from rivers, lakes or dams. The special diffusers (candle) located inside on the horizontal collector prevent the quartzite from becoming compact decreasing pressure loss of the whole system. EHV filters can be installed individually, or in two or more filters. Backwash can be manual or automatic.

Materials
- Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
- Gaskets: EPDM
- Diffuser nozzle: polypropylene (stick)

Characteristics
- Maximum working pressure: 8 bar
- Types of connection: threaded, flanged, victaulic
- The filter is supplied with a discharge valve and air release valve

Load loss*



Testing for load loss was carried out with clean water.

METAL FILTERS
SINGLE CHAMBER QUARTZITE SAND FILTER (CYLINDRICAL DIFFUSER)

EHV

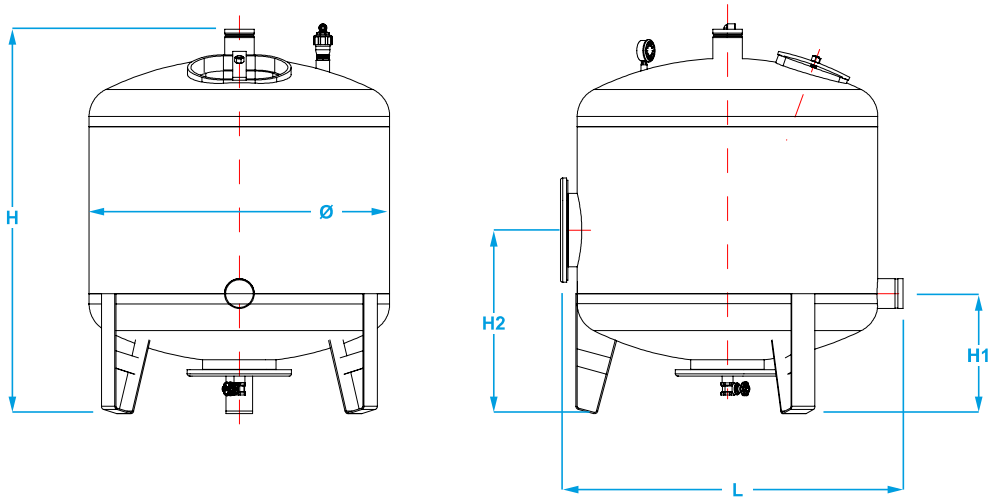
Technical data

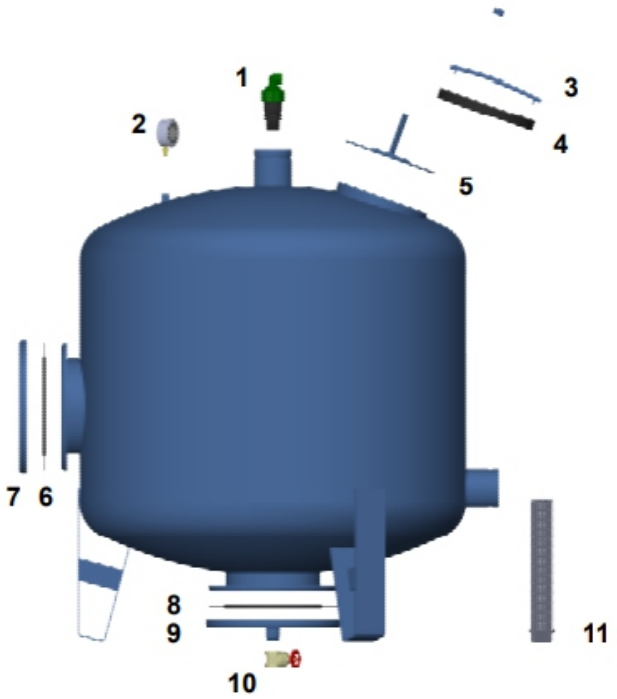
Bypasses	Pricelist ref.	Ø body (mm)	Flow rate (m³/h)
2"	**IFEHV20H750**	750	21 - 42
3"	**IFEHV30H900**	900	32 - 62
3"	**IFEHV30F900**	900	32 - 62
4"	**IFEHV40H1200**	1200	35 - 90
4"	**IFEHV40F1200**	1200	35 - 90

Connection type: H female threaded; F flanged; W victaulic

Dimensions

L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)	BD (mm)	Ø1 (mm)	Weight (kg)	
							H - W	F
900	----	1060	280	730	750	----	112	----
1100	----	1210	365	550	900	----	145	----
1060	----	1170	365	550	900	----	----	150
1360	----	1330	410	690	1200	----	240	----
1360	----	1310	410	690	1200	----	----	245





Components

Number	Description
1	air release valve
2	manometer
3	loading hatchway t-handle
4	loading hatchway gasket
5	loading hatchway cover
6	side discharge hatchway gasket
7	side discharge hatchway cover
8	lower discharge hatchway cover
9	lower discharge hatchway gasket
10	lower discharge hatch. purge valve
11	diffuser nozzle

FILTRI IN METALLO MANUALI
SINGLE CHAMBER QUARTZITE SAND FILTER (CYLINDRICAL DIFFUSER)

ECV

Applications

The ECV single-chamber quartzite sand filter is particularly suitable for the filtration of water with a high quantity of substances such as: silt, algae, slime and other organic particles. It is recommended for water coming from rivers, lakes or artificial reservoirs. The special cylindrical diffusers, housed inside with a star layout, prevent the quartzite from being compacted, also reducing the head losses of the whole system. The internal design has been made to reduce the height of the body with the same filtering volume. The ECV filter is therefore lighter and more compact than traditional sand filters. Furthermore, the new supports make it easier to store and transport. The ECV filter can be installed individually, or in a group of two or more filters. Backwash can be manual or automatic.

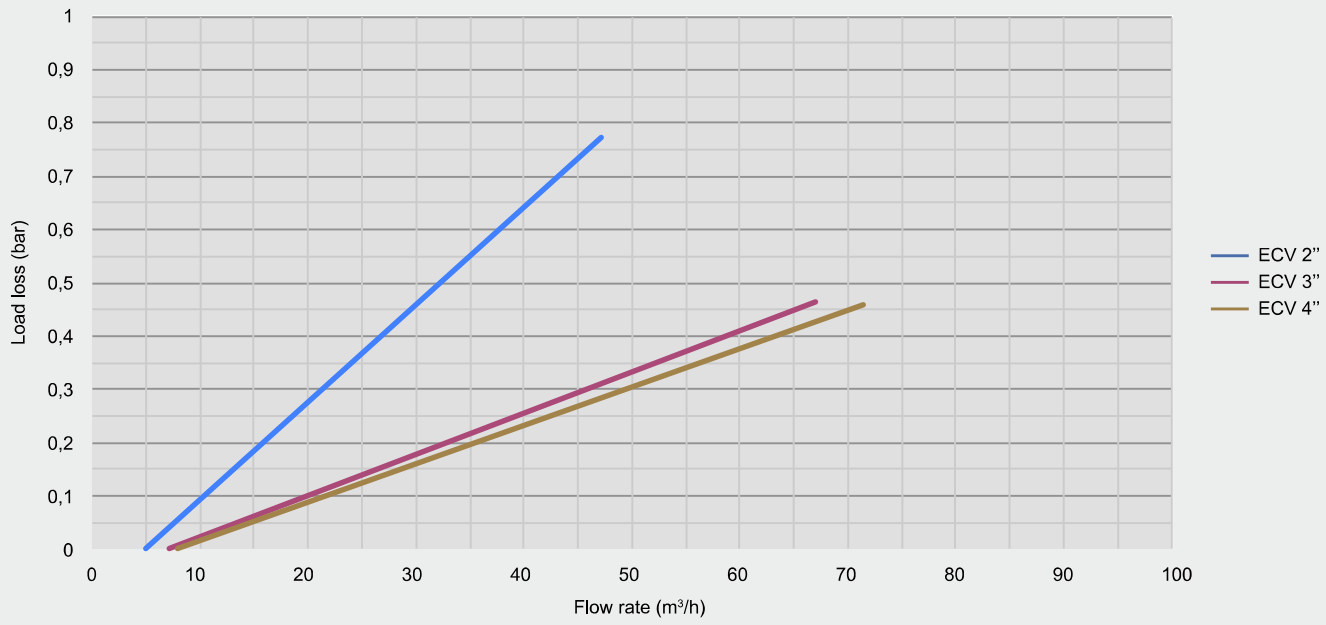
Materials

- Body: in sandblasted metal treated with zinc phosphate and subsequent electrostatic application of a layer of polyester paint, 160 microns minimum thickness, with protective and anticorrosive function.
- Gaskets: EPDM
- Diffuser: polypropylene

Characteristics

- Maximum working pressure: 8 bar
- Types of connection: threaded, flanged, victaulic
- The filter is supplied with a purge valve and an air release valve

Load loss*



Testing for load loss was carried out with clean water.

FILTRI IN METALLO MANUALI
SINGLE CHAMBER QUARTZITE SAND FILTER (CYLINDRICAL DIFFUSER)

ECV

Technical data

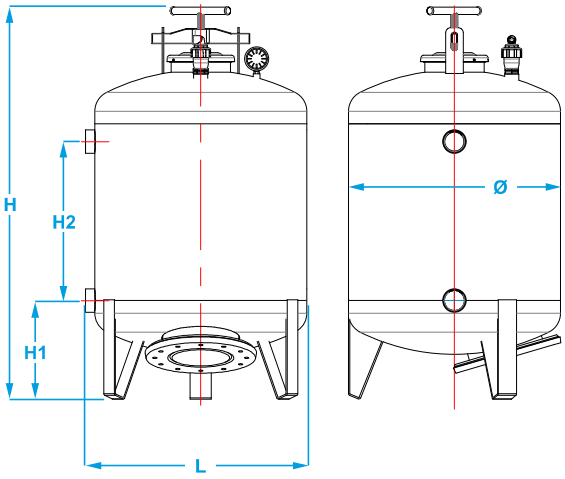
Bypasses	Pricelist ref.	Ø body (mm)	Flow rate (m^3/h)	Min. backw. flow rate (m^3/h)
2"	IFECV20H600	600	14 - 28	25
3"	IFECV20W750	750	21 - 42	38
3"	IFECV30W900	900	32 - 62	54
3"	IFECV30F900	900	32 - 62	54
4"	IFECV40W1200	1200	35 - 90	95
4"	IFECV40F1200	1200	35 - 90	95

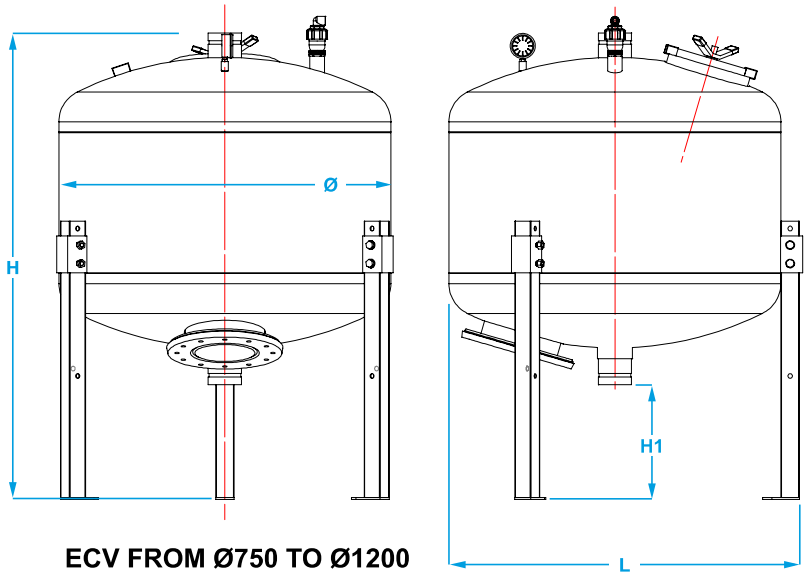
Connection type: H female threaded; F flanged; W victaulic

Dimensions

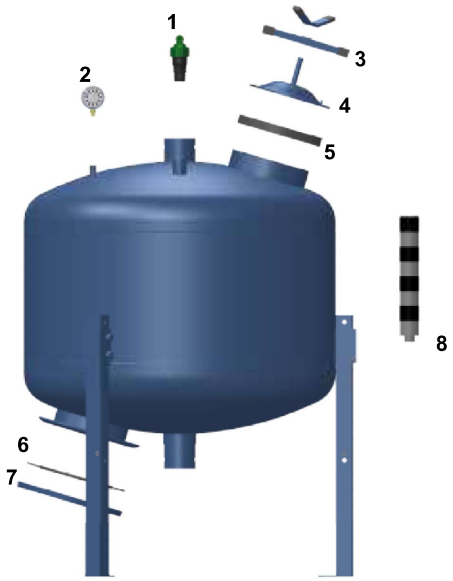
L (mm)	H (mm)	H1 (mm)	H2 (mm)	Weight (kg)	
				H - W	F
635	1000	335	275	65	----
810	1220	350	----	80	----
960	1245	320	----	105	----
960	1245	320	----	----	110
1320	1300	340	----	202	----
1320	1300	340	----	----	210

ECV Ø 600





ECV FROM Ø750 TO Ø1200



Components

Number	Description
1	air release valve
2	pressure gauge
3	top cover handle
4	top cover
5	top cover gasket seal
6	drain port gasket seal
7	drain port
8	diffuser

METAL FILTERS - MANUAL DOUBLE CHAMBER QUARTZITE SAND FILTER

ERV

Applications

ERV double chamber, quartzite sand filters are particularly suitable for the filtration of water with high amounts of organic substances: algae, mud and slimy particles of organic matrix. IT is recommended for water from rivers, lakes or dams. The special diffusers located inside on the horizontal plate prevent the quartzite from becoming compact decreasing pressure loss of the whole system.
The ERV filter has a double chamber, i.e. it is divided in two parts by a plate. Its special structure was designed to reduce dimensions and to make it easily transportable from one system to another, if necessary. The filter is supplied with a backwash system with manual valves.

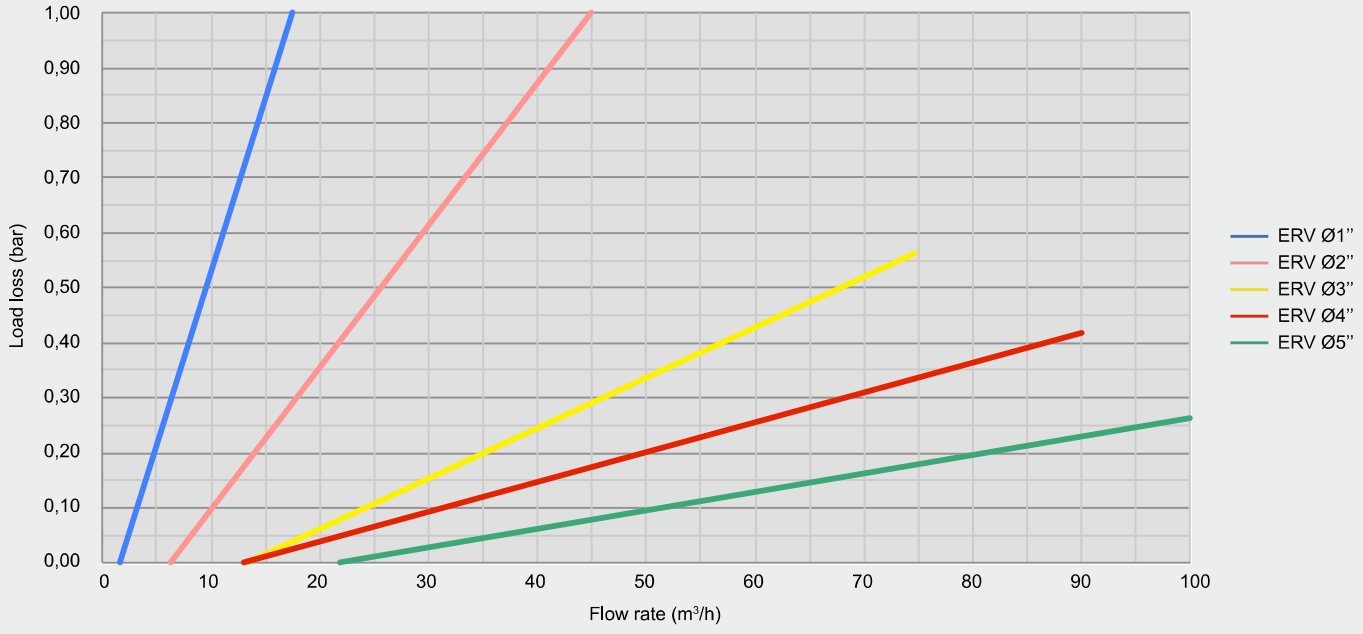
Materials

- Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
- Gaskets: EPDM
- Diffuser nozzle: polypropylene (mushroom)
- Chamber inlet valves: brass/cast iron
- Discharge valves: brass

Characteristics

- Maximum working pressure: 8 bar
- Types of connection: threaded, flanged, victaulic
- The filter is supplied with a discharge valve, air release valve and manometers
- The ERV filter is supplied dismantled

Load loss*



Testing for load loss was carried out with clean water.

METAL FILTERS - MANUAL DOUBLE CHAMBER QUARTZITE SAND FILTER

ERV

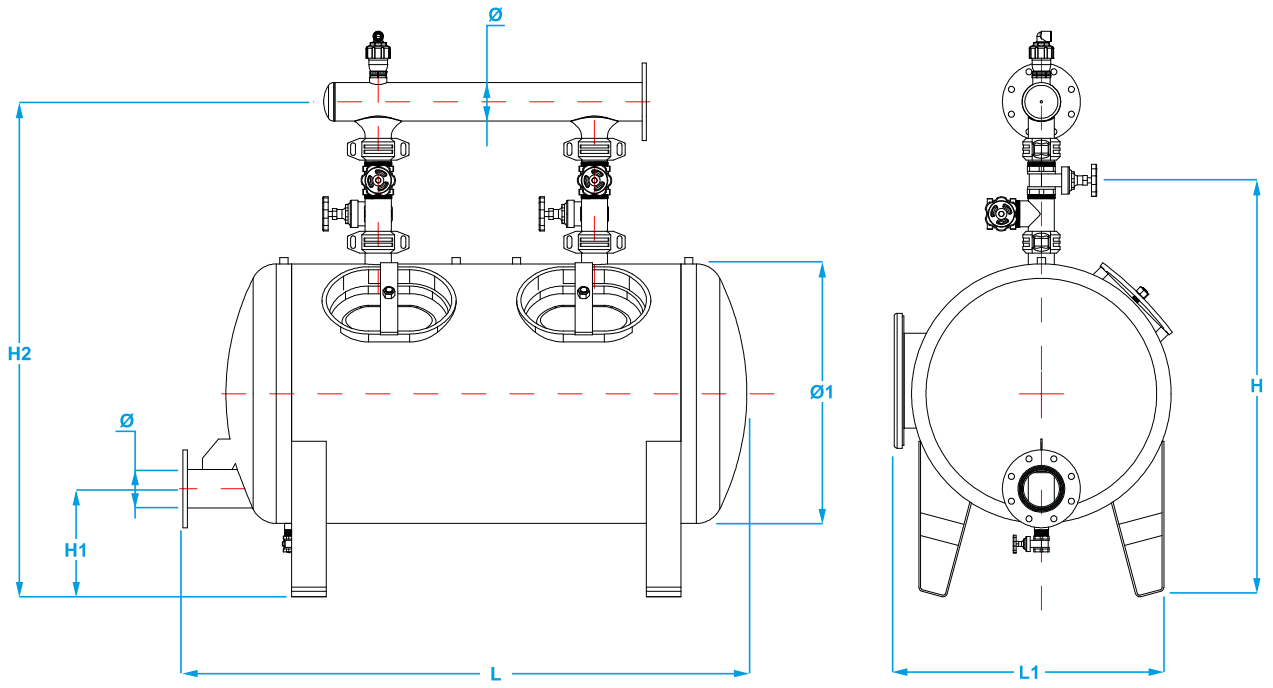
Technical data

Bypasses	Pricelist ref.	Ø body (mm)	Flow rate (m^3/h)	Min. backw. flow rate (m^3/h)
1"1/2	**IFERV15H**	400	5 - 11	-----
2"	**IFERV20H**	500	10 - 30	-----
3"	**IFERV30H**	600	30 - 60	-----
4"	**IFERV40F**	750	40 - 80	-----
5"	**IFERV50F**	850	70 - 110	-----

Connection type: H female threaded; F flanged; W victaulic

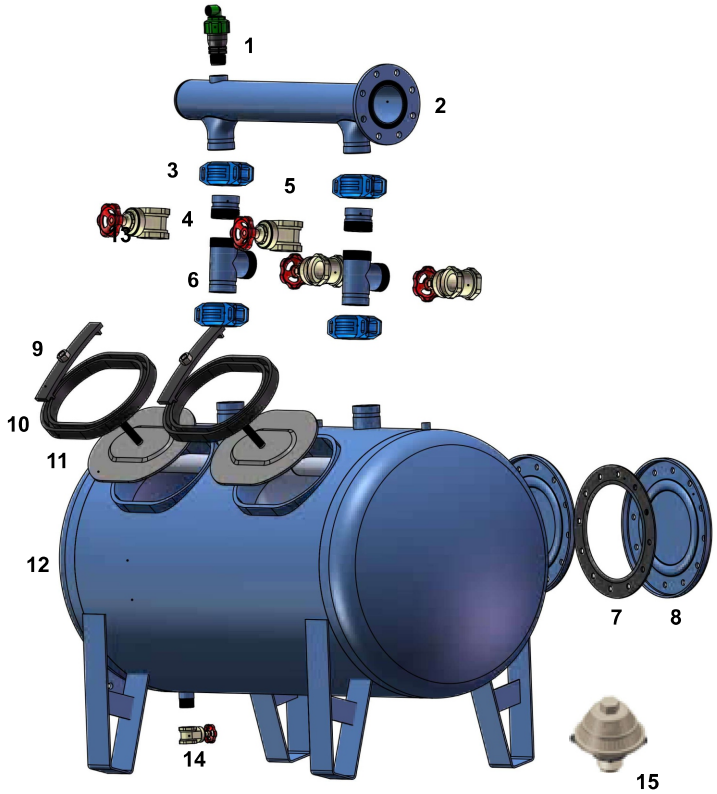
Dimensions

L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)	Ø (inches)	Ø1 (mm)	Weight (kg)	
							H - W	F
900	450	645	190	905	1"1/2	400	67	----
1160	550	680	190	1050	2"	500	92	----
1350	650	920	245	1210	3"	600	160	----
1750	800	1250	255	1220	4"	750	----	240
2050	900	1100	255	1360	5"	850	----	330



Components

Number	Description
1	discharge valve
2	inlet collector
3	victaulic fitting
4	tee
5	discharge shutter valve
6	threaded adaptor
7	sand discharge hatchway gasket
8	sand discharge hatchway cover
9	sand loading hatchway t-handle
10	sand loading hatchway gasket
11	sand loading hatchway cover
12	filter body
13	inlet shutter valve
14	discharge shutter valve
15	diffuser nozzle



AUTOMATIC METAL FILTERS
DOUBLE CHAMBER QUARTZITE SAND FILTER WITH 3-WAY VALVES (AUTOMATABLE)

ER3V

Applications

ER3V double chamber, quartzite sand filters are particularly suitable for the filtration of water with high amounts of organic substances: algae, mud and slimy particles of organic matrix. IT is recommended for water from rivers, lakes or dams. The special diffusers located inside on the horizontal plate prevent the quartzite from becoming compact decreasing pressure loss of the whole system.
The ER3V filter has a double chamber, i.e. it is divided in two parts by a plate. Its special structure was designed to reduce dimensions and to make it easily transportable from one system to another, if necessary. The filter is supplied with a backwash system with automatable three-way valves.

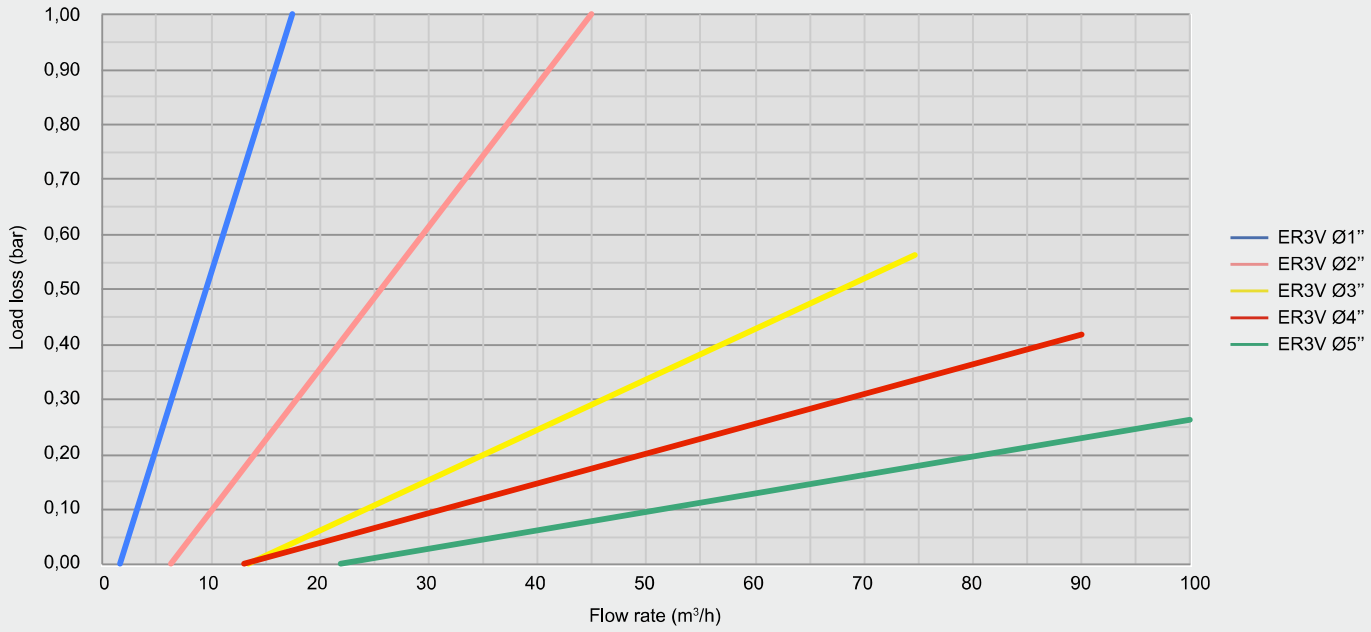
Materials

- Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
- Gaskets: EPDM
- Diffuser nozzle: polypropylene (mushroom)
- Backwash valves: cast iron

Characteristics

- Maximum working pressure: 8 bar
- Types of connection: threaded, flanged, victaulic
- The filter is supplied with discharge valves, air release valves, a 3-way valve installation kit, fittings and a discharge pipe.
- The ER3V filter is supplied without automation
- The ER3V filter is supplied dismantled

Load loss*



Testing for load loss was carried out with clean water.

AUTOMATIC METAL FILTERS
DOUBLE CHAMBER QUARTZITE SAND FILTER WITH 3-WAY VALVES (AUTOMATABLE)

ER3V

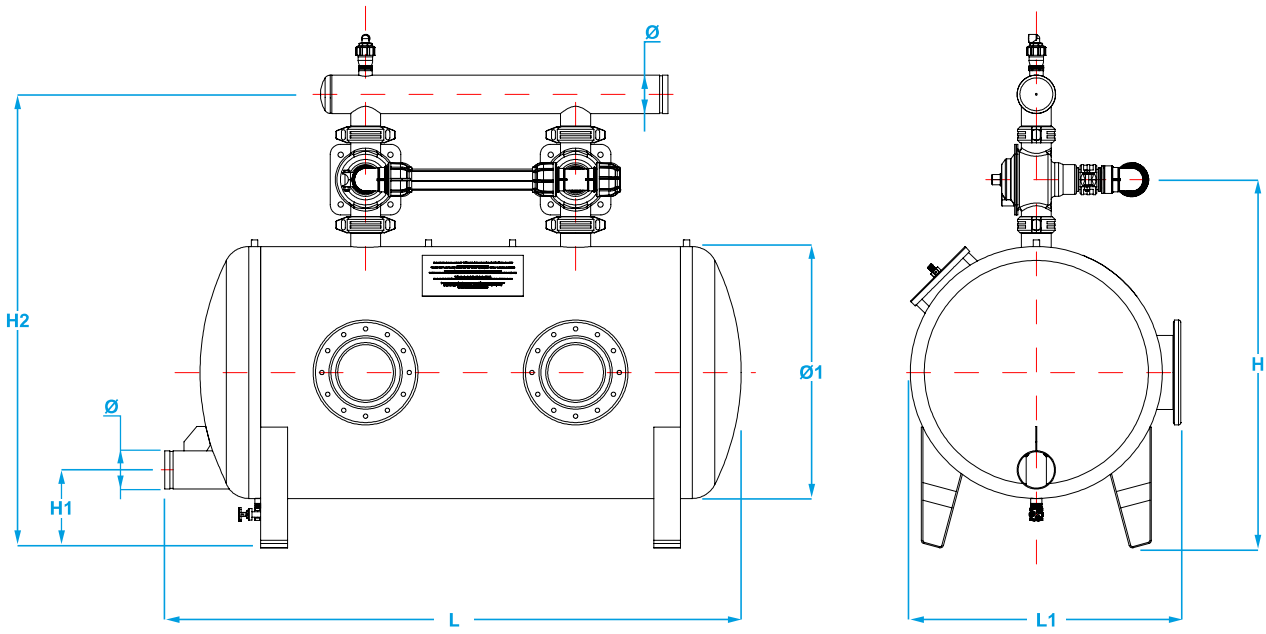
Technical data

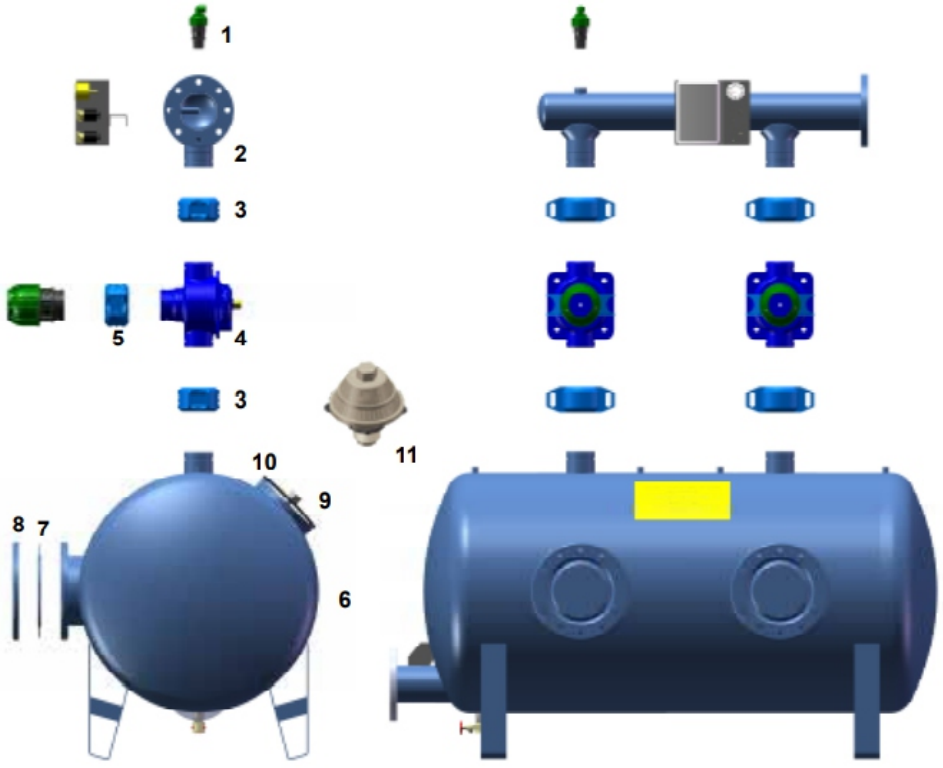
Bypasses	Pricelist ref.	Ø body (mm)	Flow rate (m^3/h)	Min. backw. flow rate (m^3/h)
2"	**IFER3V20H**	500	10 - 30	-----
3"	**IFER3V30H**	600	30 - 60	-----
4"	**IFER3V40F**	750	40 - 80	-----
5"	**IFER3V50F**	850	70 - 110	-----

Connection type: **H** female threaded; **F** flanged; **W** victaulic

Dimensions

L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)	Ø (inches)	Ø1 (mm)	Weight (kg)	
							H - W	F
1150	550	770	170	1000	2"	500	96	----
1350	650	920	245	1210	3"	600	160	----
1770	800	1120	255	1350	4"	750	----	262
2050	900	1350	255	1550	5"	850	----	340





Components

Number	Description
1	discharge valve
2	collector
3	victaulic fitting
4	3-way valve
5	discharge victaulic fitting
6	filter body
7	discharge hatchway gasket
8	discharge hatchway cover
9	loading hatchway gasket
10	loading hatchway cover
11	diffuser nozzle

AUTOMATIC METAL FILTERS
FOUR CHAMBER QUARTZITE SAND FILTER WITH 3-WAY VALVES (AUTOMATABLE)

EQ3V

Applications

EQ3V four chamber, quartzite sand filters are particularly suitable for the filtration of water with high amounts of organic substances: algae, mud and slimy particles of organic matrix. IT is recommended for water from rivers, lakes or dams. The special diffusers located inside on the horizontal plate prevent the quartzite from becoming compact decreasing pressure loss of the whole system.
The EQ3V filter has four chambers, i.e. it is divided in four parts by two plates. Its special structure was designed to reduce dimensions and to make it easily transportable from one system to another, if necessary. The filter is supplied with a backwash system with automatable three-way valves.

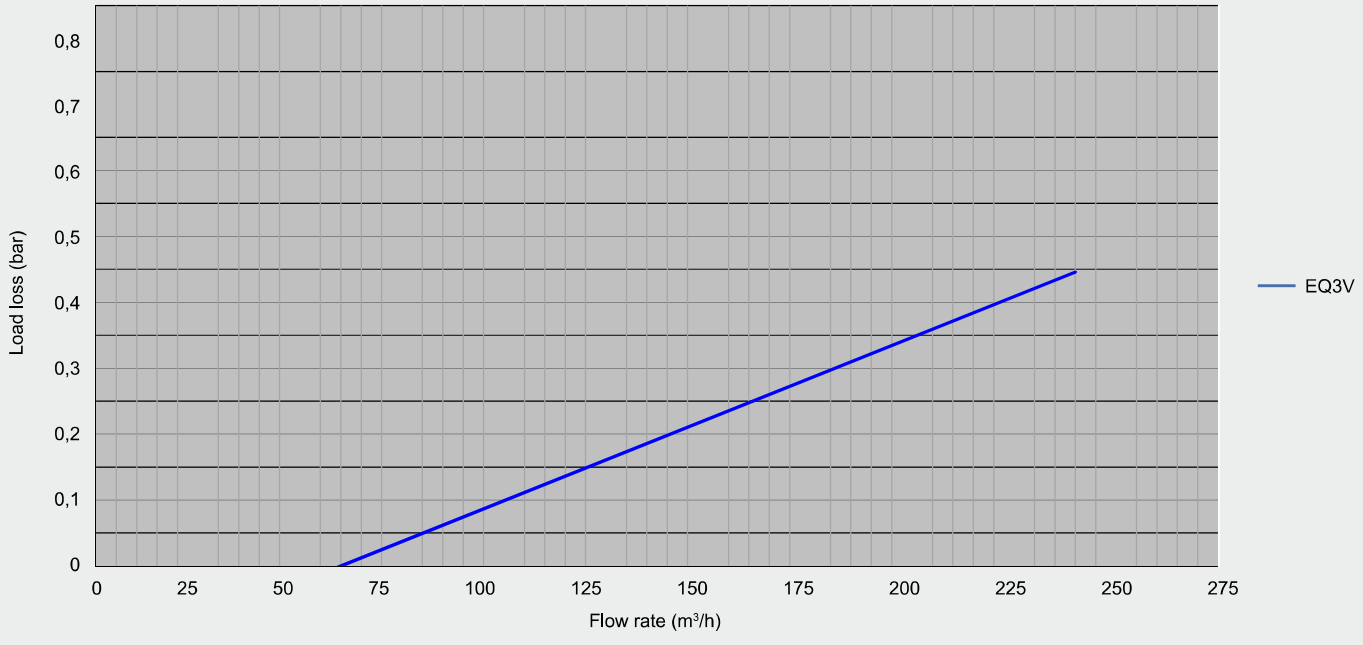
Materials

- Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
- Gaskets: EPDM
- Diffuser nozzle: polypropylene (mushroom)
- Backwash valves: cast iron

Characteristics

- Maximum working pressure: 6 bar
- Types of connection: threaded, flanged, victaulic
- The filter is supplied with discharge valves, air release valves, a 3-way valve installation kit, fittings and a discharge pipe.
- The EQ3V filter is supplied without automation.

Load loss



Testing for load loss was carried out with clean water.

AUTOMATIC METAL FILTERS
FOUR CHAMBER QUARTZITE SAND FILTER WITH 3-WAY VALVES (AUTOMATABLE)

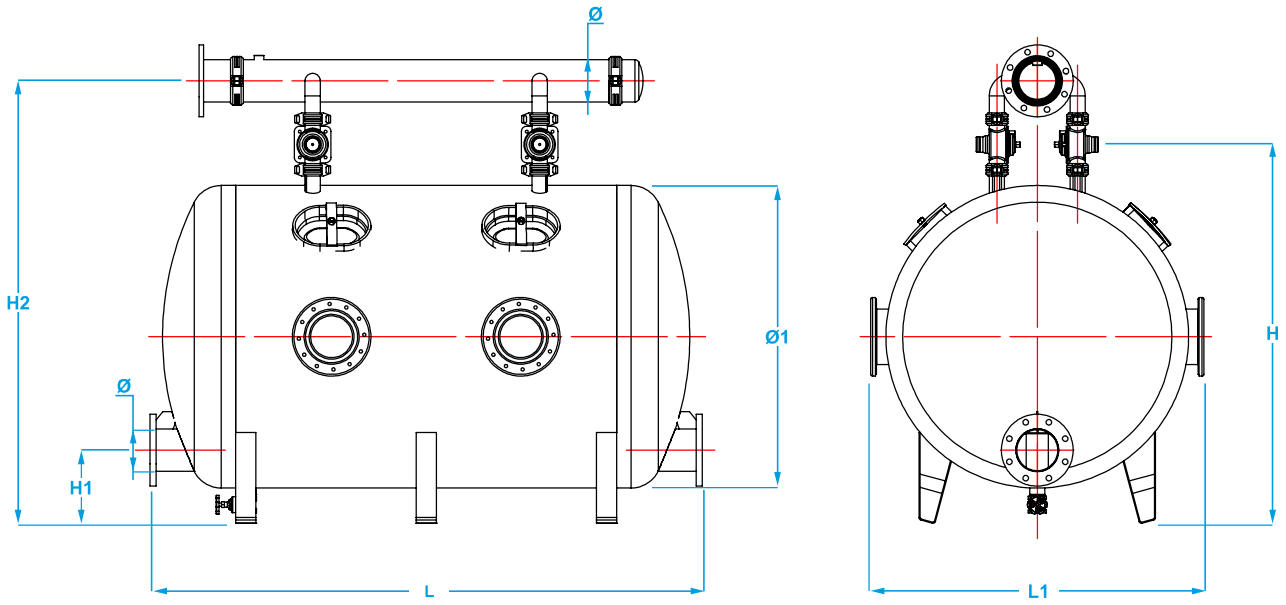
EQ3V

Technical data

Bypasses	Pricelist ref.	Ø body (mm)	Flow rate (m^3/h)	Min. backw. flow rate (m^3/h)
6"	**IFEQ3V60F**	1200	80 - 160	100

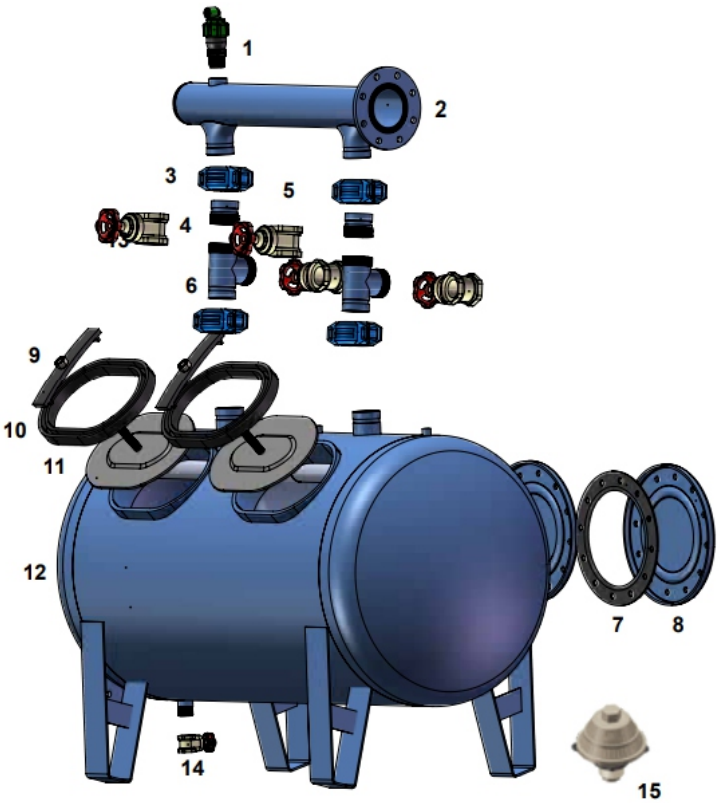
Dimensions

L (mm)	L1 (mm)	H (mm)	H1 (mm)	H2 (mm)	Ø (inches)	Ø1 (mm)	Weight (kg)	
							H - W	F
2200	1350	1600	300	1850	6"	6"	----	----



Components

Number	Description
1	flange adaptor
2	victaulic fitting 6"
3	collector
4	cap
5	victaulic fitting 3"
6	3-way valve
7	filter body
8	shutter
9	sand discharge hatchway cap
10	sand discharge hatchway gasket
11	sand loading hatchway cover
12	sand loading hatchway gasket
13	sand loading hatchway t-handle
14	diffuser nozzle



AUTOMATIC METAL FILTERS - AUTOMATIC SCREEN FILTERS

FW050 – FW100

Applications

• Irrigation - Protection of irrigation systems, in particular: drip irrigation, micro-irrigation, parks and gardens, golf courses using any type of supply.

• Cooling towers and process water - Ideal for removing algae, sludge, debris, process impurities and atmospheric contamination; allows to maximize the efficiency of heat exchange and reduce maintenance. The reduction of mud accumulations, an ideal environment for Legionella bacteria, guarantees a healthier and safer environment.

• Surface and underground waters - Protection of plants and equipment from contamination of debris in water.

• System protection - Protection of technical equipment, seals, bearings, valves, etc.

• Nozzle protection - Prevents nozzle clogging, keeping them clean and efficient, reducing maintenance.

• Membrane & UV lamps protection - Removal of suspended solids that reduce the efficiency of membranes and UV disinfection systems.

• Recycled water - Allows the use of recycled or low quality water in treatment plants, industrial process systems, paper mills, mines, irrigation, etc.

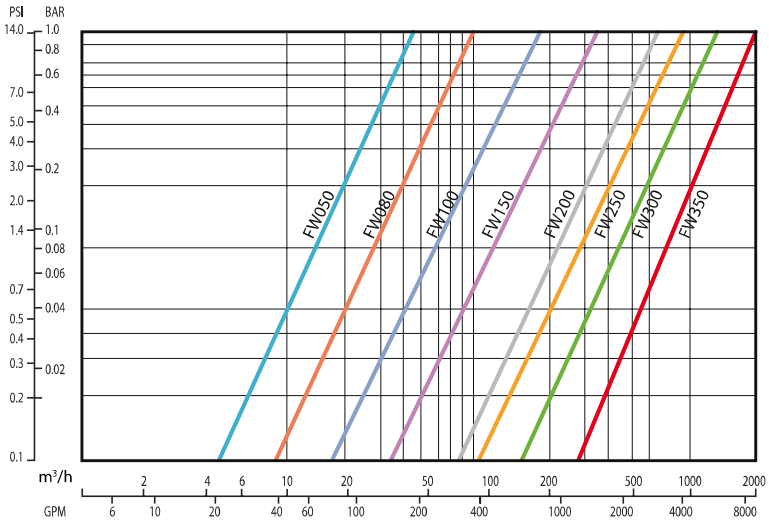
• Municipal water supply - Removes algae, organisms, sand and silt from surface waters, dams and reservoirs; reducing treatment and maintenance costs.

Materials

• Stainless steel body
• All parts are made of corrosion resistant materials

Characteristics

• Fully automatic backwash
• Available with hydraulic or electric control
• Large filtering surface
• Wide range of available filtration, from 50 to 800 micron (250-20 mesh).
• Standard dimensions from DN50 to DN350 (2 "- 14")
• Standard nominal pressure PN10
• Quick and easy installation
• Full support and after-sales service
• Designed, built and tested in Australia



Testing for load loss was carried out with clean water.

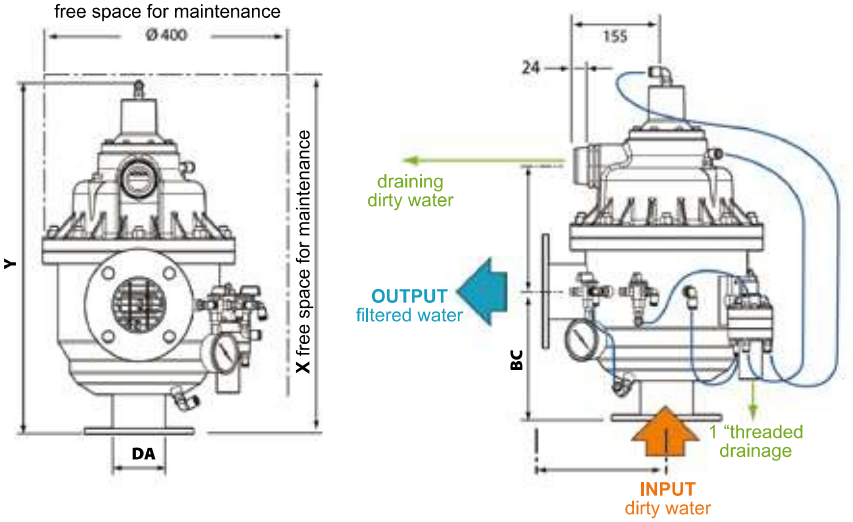
AUTOMATIC METAL FILTERS - AUTOMATIC SCREEN FILTERS

FW050 – FW100

Technical data

Model	nominal Dimension D		IN & OUT connections	2mt nominal flow rate of head loss		Filtering surface	Dimensions (mm)										Weight (kg)	
	inches	mm		l/s	m³/h	cm²	A	B	C	E	F	H	L	X	Y	Z	Empty	Full
FW 050	2	50	2" BSP	7	25	1220	184	198	204	-	-	-	-	720	560	-	22	42
FW 050 - F	2	50	DN 50	7	25	1220	210	210	204	-	-	-	-	720	575	-	23	43
FW 080	3	80	3" BSP	14	50	1220	194	213	204	-	-	-	-	720	575	-	22	42
FW 080 - F	3	80	DN 80	14	50	1220	210	210	204	-	-	-	-	720	575	-	25	45
FW 080 - EX	3	80	DN 80	14	50	1980	210	315	215	-	-	-	-	900	680	-	29	55
FW 100	4	100	DN 100	22	80	1980	235	315	215	-	-	-	-	900	680	-	30	57

Standard execution: AISI 304 stainless steel body, AISI 316 stainless steel, brass, fiberglass reinforced nylon main filtering screen, NBR & EPDM gaskets. Body in stainless steel AISI 316 available upon request - **Maximum working pressure:** 10 bar (150 psi) - **Minimum line pressure during backwashing:** 2 bar (30 psi) - **Backwash cycle FW050-FW100:** 5 - 7 secs approx. 30 Liters - **Maximum working temperature:** 65°C



ADVANTAGES OF FILTAWORX® AUTOMATIC FILTERS
Stainless steel body for corrosion resistance in most environments

Washing mechanism: the key feature of the performance and reliability of FILTAWORX® filters is the use of backwash water to activate the washing mechanism. No external engines are used and no electrical supply is required, reducing the number of parts moving and subject to wear. The backwash cycle is automatically activated when a preset pressure drop of 40/50 kPa (0.4 / 0.5 bar) is reached. The filter is cleaned perfectly and at any point thanks to an effective high-speed backwash cycle. **No external power supply** is required (using the hydraulic power unit), all functions are powered only by the line pressure. Unbroken flow during the backwash cycle. **Filtration surface wider** than any other comparable filter. **Excellent filtration** using a precision 316 stainless steel mesh cartridge. **Wide range** of available filtrations, from 50 to 800 micron (250 - 20 mesh) that allows the right choice for each application. The cartridges can easily be replaced on site to change the degree of filtration.

Simple and compact installation, it can be mounted in any position or orientation, with minimum space requirements. **High reliability** thanks to the reduced number of moving parts. A simple design and a robust structure make FILTAWORX® filters virtually maintenance-free.

AUTOMATIC METAL FILTERS - AUTOMATIC SCREEN FILTERS

FW100EX – FW350

Applications

• Irrigation - Protection of irrigation systems, in particular: drip irrigation, micro-irrigation, parks and gardens, golf courses using any type of supply.

• Cooling towers and process water - Ideal for removing algae, sludge, debris, process impurities and atmospheric contamination; allows to maximize the efficiency of heat exchange and reduce maintenance. The reduction of mud accumulations, an ideal environment for Legionella bacteria, guarantees a healthier and safer environment.

• Surface and underground waters - Protection of plants and equipment from contamination of debris in water.

• Plant protection - Protection of technical equipment, seals, bearings, valves, etc.
• Nozzle protection - Prevents nozzle clogging, keeping them clean and efficient, reducing maintenance.

• Membrane & UV lamps protection - Removal of suspended solids that reduce the efficiency of membranes and UV disinfection systems.

• Recycled water - Allows the use of recycled or low quality water in treatment plants, industrial process systems, paper mills, mines, irrigation, etc.

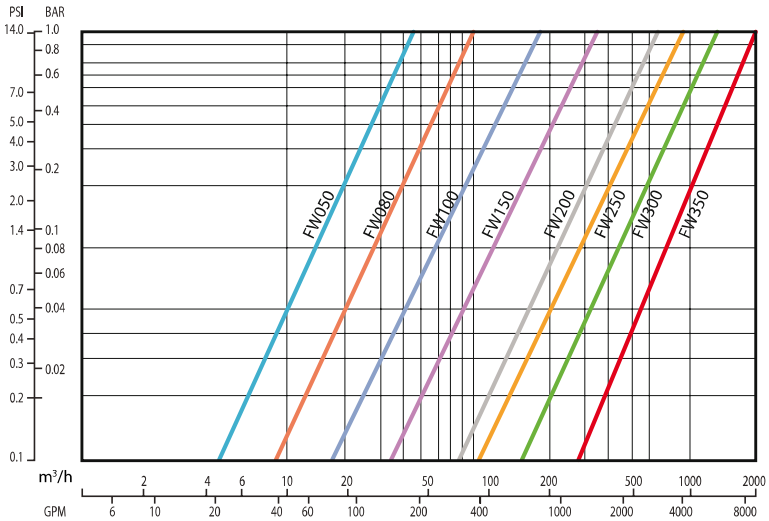
• Municipal water supply - Removes algae, organisms, sand and silt from surface waters, dams and reservoirs; reducing treatment and maintenance costs.

Materials

• Stainless steel body
• All parts are made of corrosion resistant materials

Characteristics

• Fully automatic backwash
• Available with hydraulic or electric control
• Wide filtering surface
• Wide range of filtrations available, from 50 to 800 micron (250-20 mesh).
• Standard dimensions from DN50 to DN350 (2 "- 14")
• Standard nominal pressure PN10
• Quick and easy installation
• Full support and after-sales service
• Designed, built and tested in Australia



Testing for load loss was carried out with clean water.

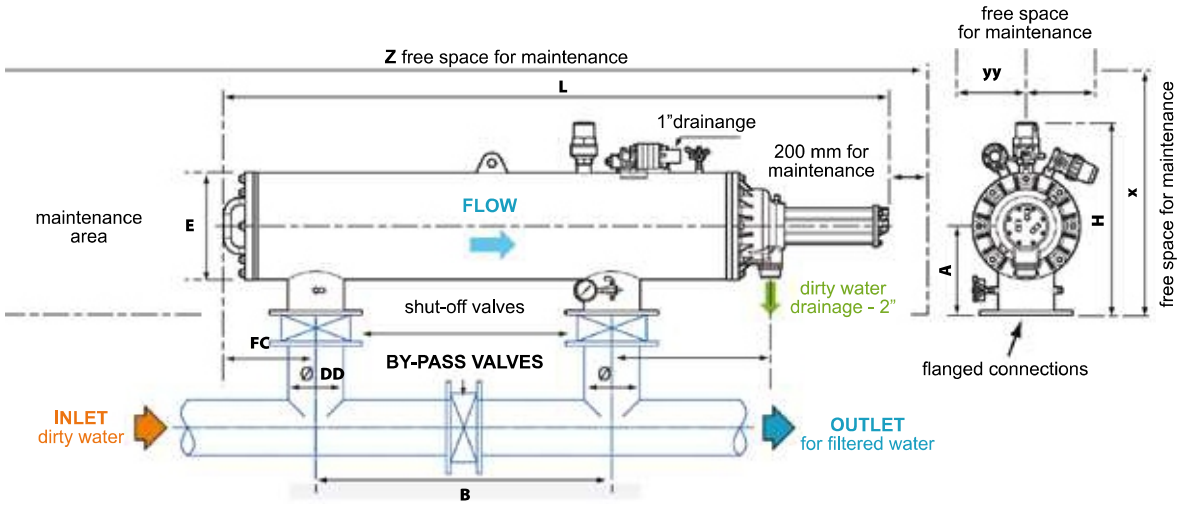
AUTOMATIC METAL FILTERS - AUTOMATIC SCREEN FILTERS

FW100EX – FW350

Technical data

Model	Nominal Dimension D		IN & OUT connections	2mt nominal flow rate of head loss		Filtering surface	Dimensions (mm)										Weight (kg)	
	inches	mm		l/s	m³/h	cm²	A	B	C	E	F	H	L	X	Y	Z	Empty	Full
FW100EX	4	100	DN100	28	100	5600	235	900	466	273	229	525	1952	730	360	3650	85	165
FW100EXL	4	100	DN100	28	100	8115	235	900	829	325	229	525	2315	730	360	4365	104	200
FW 150	6	150	DN150	50	180	5600	270	900	481	325	279	583	2017	780	360	3720	105	215
FW150EX	6	150	DN150	50	180	8115	270	900	844	325	279	583	2380	780	360	4430	115	265
FW 200	8	200	DN200	89	320	8115	270	900	966	325	389	583	2612	780	380	4660	130	320
FW 250	10	250	DN250	111	400	8115	270	900	966	325	392	583	2615	780	400	4660	155	345
FW 250EX	10	250	DN250	111	400	10415	310	1100	966	406	682	665	3105	870	420	5310	235	540
FW 300	12	300	DN300	167	600	10415	310	1100	966	406	682	665	3105	870	420	5310	240	550
FW 350	14	350	DN350	250	900	12170	310	1270	966	406	512	665	3105	870	450	5310	285	595

Standard model: AISI 304 stainless steel body, AISI 316 stainless steel, brass, fiberglass reinforced nylon filtering screen, NBR & EPDM gaskets. Body in AISI 316 stainless steel available upon request - **Maximum working pressure:** 10 bar (150psi) - **Minimum line pressure during backwashing:** 2 bar (30psi) - **Backwash cycle FW100EX-FW350:** 15 - 17 secs, 150 Liters - **Maximum working temperature:** 65°C



ADVANTAGES OF FILTAWORX® AUTOMATIC FILTERS
Stainless steel body for corrosion resistance in most environments

Washing mechanism: the key feature of the performance and reliability of FILTAWORX® filters is the use of backwash water to activate the washing mechanism. No external engines are used and no electrical supply is required, reducing the number of parts moving and subject to wear. The backwash cycle is automatically activated when a preset pressure drop of 40/50 kPa (0.4 / 0.5 bar) is reached. The filter is cleaned perfectly and at any point thanks to an effective high-speed backwash cycle. **No external power supply** is required (using the hydraulic power unit), all functions are powered only by the line pressure. Unbroken flow during the backwash cycle. **Filtration surface wider** than any other comparable filter. **Excellent filtration** using a precision 316 stainless steel mesh cartridge. **Wide range** of available filtrations, from 50 to 800 micron (250 - 20 mesh) that allows the right choice for each application.

The cartridges can easily be replaced on site to change the degree of filtration.
Simple and compact installation, it can be mounted in any position or orientation, with minimum space requirements.
High reliability thanks to the reduced number of moving parts. A simple design and a robust structure make FILTAWORX® filters virtually maintenance-free.

FILTRATION GROUPS WITH METAL FILTERS - FILTRATION GROUP INCLUDING SINGLE CHAMBER FILTERS, 3-WAY VALVES AND AUTOMATIC CONTROL

GCV

Applications

GCV quartzite sand filtering stations are particularly suitable for the filtration of water with high amounts of organic substances: algae, mud and slimy particles of organic matrix. IT is recommended for water from rivers, lakes or dams. The special diffusers located inside on the horizontal plate prevent the quartzite from becoming compact decreasing pressure loss of the whole system.
The filtering station is composed of two or more sand filters, assembled parallel. The station is equipped with collectors, a 120 mesh safety filter and air vent. The station is supplied with a backwash system with automatable three-way valves.

NOTA: richiedere all'ufficio tecnico le caratteristiche idrauliche sulla base del progetto esecutivo

Materials

- Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
- Safety filtering element: stainless steel AISI 304 with polyester mesh.
- Gaskets: EPDM
- Valves: cast iron
- Collectors: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.

Characteristics

- Maximum working pressure: 8 bar
- Standard filtration grade: 120 mesh
  (filtration available: 50, 80, 120, 150, 200 mesh)
- Types of connection: threaded, flanged, victaulic
- The station is supplied without quartzite sand
- The station is supplied without an automation kit

FILTRATION GROUPS WITH METAL FILTERS - FILTRATION GROUP INCLUDING SINGLE CHAMBER FILTERS, 3-WAY VALVES AND AUTOMATIC CONTROL

GCV

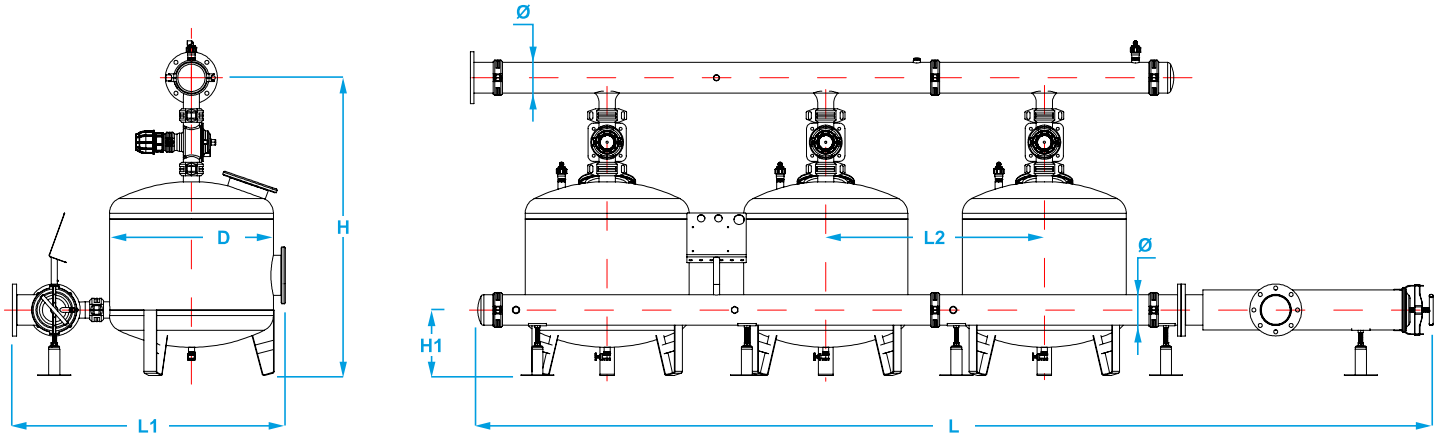
Technical data

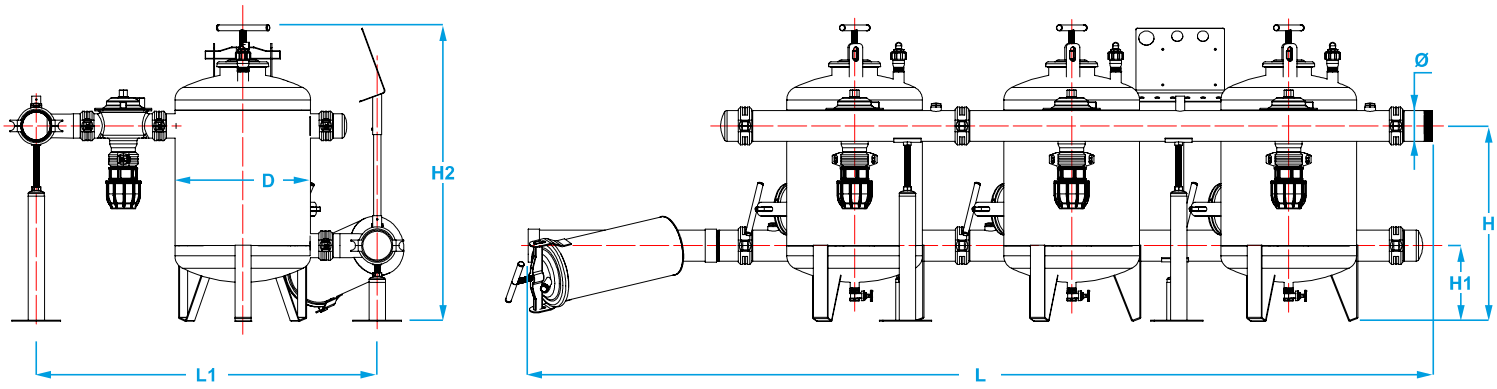
Couplings	Pricelist ref.	Flow rate m³/h	Modello filtri	No. filters
3"	**IFGCV6202SIHI**	40	600mm - 2"	2
4"	**IFGCV6203SLHI**	65	600mm - 2"	3
4"	**IFGCV6204SLHI**	80	600mm - 2"	4
DN150	**IFGCV6205SPFI**	100	600mm - 2"	5
DN150	**IFGCV6206SPFI**	120	600mm - 2"	6
4"	**IFGCV9302SLHI**	80	900mm - 3"	2
DN150	**IFGCV9303SPFI**	120	900mm - 3"	3
DN150	**IFGCV9304SPFI**	160	900mm - 3"	4
DN150	**IFGCV9305SPFI**	200	900mm - 3"	5
DN150	**IFGCV9306SPFI**	250	900mm - 3"	6
DN150	**IFGCV1402PPFI**	140	1200mm - 4"	2
DN150	**IFGCV1403SPFI**	210	1200mm - 4"	3
DN200	**IFGCV1404SRFI**	280	1200mm - 4"	4
DN200	**IFGCV1405SRFI**	350	1200mm - 4"	5
DN250	**IFGCV1406STFI**	420	1200mm - 4"	6

** Contact the technical office*

Dimensions

Ø (inches - DN)	D (mm)	L (mm)	L1 (mm)	H (mm)	H1 (mm)	Weight (kg)
3"	600	1820	1100	730	280	----
4"	600	2400	1100	730	280	----
4"	600	3000	1200	730	280	----
DN150	600	3600	1200	730	280	----
DN150	600	4300	1200	730	280	----
4"	900	3300	1600	1600	350	----
DN150	900	5300	1700	1700	400	----
DN150	900	6400	1700	1700	400	----
DN150	900	7500	1700	1700	400	----
DN150	900	8600	1700	1700	400	----
DN150	1200	*	*	*	*	----
DN150	1200	*	*	*	*	----
DN200	1200	*	*	*	*	----
DN200	1200	*	*	*	*	----
DN250	1200	*	*	*	*	----





FILTRATION GROUPS WITH METAL FILTERS
FILTRATION GROUP WITH SAND SEPARATOR AND SAFETY FILTER

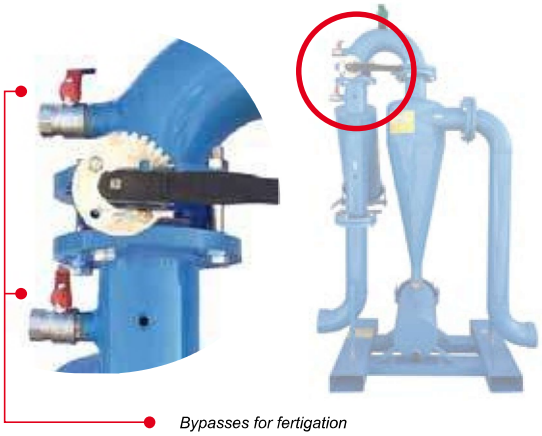
ETS

Applications
ETS filtering stations were designed for anyone wishing to reduce large quantities of suspended solid particles, while at the same time reducing dimensions. The combination between sand separator and safety filter guarantees good finishing of the water. ETS stations are mostly used in agriculture.

NOTE: ask the technical office for the hydraulic characteristics based on the executive project

Materials
• Body: in sanded metal treated with phosphate zinc and followed by an electrostatic application of a layer of polyester paint, minimum thickness 160 micron, with a protective and anti-corrosion function.
• Safety filtering element: stainless steel AISI 304 with polyester mesh, stainless steel AISI 304 or high density polypropylene disks.
• Gaskets: EPDM

Characteristics
• Maximum working pressure: 8 bar
• Standard filtration grade: 120 mesh
(filtration available: 80, 120, 150, 200 mesh)
• Types of connection: threaded, flanged, victaulic
• The station is supplied with a bypass kit for fertigation with Ø3/4'' bypasses



Bypasses for fertigation

**Testing for load loss was carried out with clean water.*

FILTRATION GROUPS WITH METAL FILTERS
FILTRATION GROUP WITH SAND SEPARATOR AND SAFETY FILTER

ETS

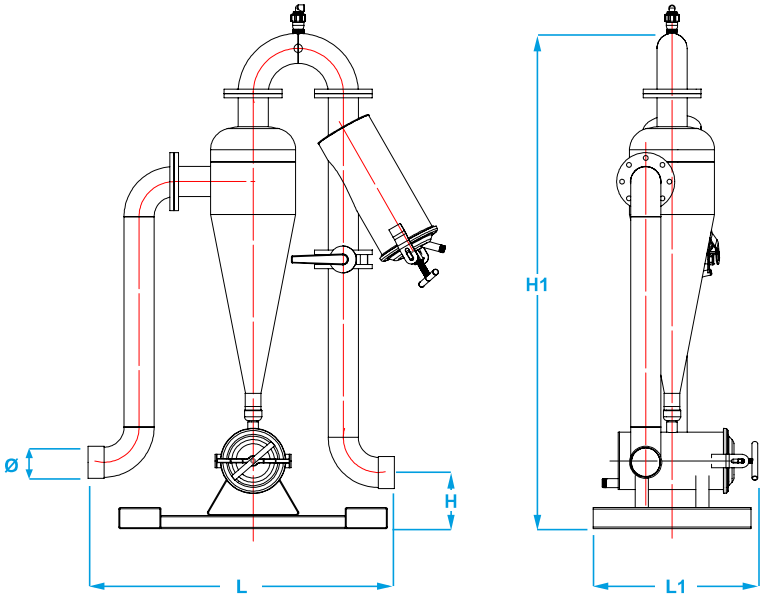
Technical data

Couplings	Pricelist ref.	Flow rate m³/h	Components
2"	**IFETS120H12**	15 - 30	EIV + ESV + fert. kit
3"	**IFETS130H12**	25 - 40	EIV + ESV + fert. kit
4"	**IFETS140H12**	40 - 80	EIV + ESV + fert. kit
dn 125	**IFETS150F12**	80 - 110	EIV + ESV + fert. kit
2"	**IFETS220H12**	15 - 30	EIV + EDV + fert. kit
3"	**IFETS230H12**	25 - 40	EIV + EDV + fert. kit
4"	**IFETS240H12**	40 - 80	EIV + EDV + fert. kit
2"	**IFETS520H12**	11 - 31	EIV + EAV + fert. kit
3"	**IFETS530H12**	12 - 40	EIV + EAV + fert. kit
4"	**IFETS540H12**	20 - 70	EIV + EAV + fert. kit
dn 125	**IFETS550F12**	40 - 110	EIV + EAV + fert. kit
2"	**IFETS620H12**	15 - 30	EIV + EAP + fert. kit
3"	**IFETS630H12**	25 - 40	EIV + EAP + fert. kit
4"	**IFETS640H12**	40 - 80	EIV + EAP + fert. kit
dn 125	**IFETS650F12**	80 - 110	EIV + EAP + fert. kit

Connection type: H female threaded; F flanged; W victaulic

Dimensions

Ø (inches)	L (mm)	L1 (mm)	H (mm)	H1 (mm)	Weight (kg)
2"	1100	500	------	------	------
3"	1300	550	------	------	------
4"	1400	600	------	------	------
dn 125	1350	730	------	------	------
2"	110	500	------	------	------
3"	1300	550	------	------	------
4"	1400	600	------	------	------
2"	1100	500	------	------	------
3"	1300	550	------	------	------
4"	1400	600	------	------	------
dn 125	1350	730	------	------	------
2"	1100	500	------	------	------
3"	1300	550	------	------	------
4"	1400	600	------	------	------
dn 125	1350	730	------	------	------



CERTIFICATIONS

	Brand	Standard	Description	Organization	Certificate n°
System	IIP / IQNet	**UNI EN ISO 9001:2015**	Quality management system	IIP / CISQ	964
		UNI EN ISO 14001:2015	Environmental management system	IIP / CISQ	174
	AEO	**UE 952/2013**	Authorized Economic Operator	Italian Customs Agency	IT AEOF 16 1155

	Paese	Brand	Standard	Description	Organization	Certificate n°
Product	ITALY	IIP / UNI	**UNI 9561:2006**	Connecto™ +Ultra	IIP	1430
		IIP/B	**ISO 9261:2004**	Dripline Mono™ - Rootguard Mono™ - Tandem™ - Rootguard Tandem™	IIP	1441 - 1442
				Dripline Multibar™ C- Rootguard Multibar™ C	IIP	1441 - 1442
				Dripline D5™	IIP	1442
				Dripline Junior™	IIP	1441 - 1442
				Dripline P1®	IIP	1442
	GERMANY	DLG SIGNUM TEST 07/05 bestanden	**DLG SIGNUM TEST**	Dripline Mono™ 2,1lph	DLG	5509
				Dripline Multibar™ 1,6lph	DLG	5508
				Dripline P1® 1,1lph	DLG	5506
				Dripline Tape 0,9lph	DLG	5507
		DVGW	**GW 335-B3:2011**	Connecto™ +Ultra	DVGW	DW-8616BT0102
	SOUTH AFRICA	SABS	**SANS 14236:2003**	Connecto™ +Ultra	SABS	8357/13262
					JASWIC	1624/1
	SWITZERLAND	SVGW SSIGE	**TPW 157**	Connecto™ +Ultra	SVGW	1103-K 298
	AUSTRALIA	WaterMark	**AS/NZS 4129:2008**	Connecto™ +Ultra	SAI GLOBAL	WMKA21524
	ENGLAND	WRAS	**BS 6920-2.1:2000**	Connecto™ +Ultra	WRAS	1712054
	ISRAEL		**IS 5283**	Connecto™	SII	36526
	RUSSIA		**-**	Sanitary certificate	GOST	3258336
			Various	Connecto™ - Connecto™ Plus - Threaded fittings	GOST	1119040
				Plastic accessories	GOST	1260161
				Dripline Multibar™ - P1® - P1® Rootguard - Rootguard - i-Tape	GOST	0998860
	POLAND	ITB	**Various**	Connecto™ PN10 - Connecto™ +Ultra PN16 - Clamp saddles	ITB	AT-15-7862/2016
			-	Sanitary certificate	-	HK.W.0091.01.2015
	HUNGARY	EMI	**Various**	Connecto™ PN10 - Connecto™ +Ultra PN16 - Clamp saddles	EMI	A 705/2009
	UKRAINE	-	**-**	Sanitary certificate	-	58960
		-	**Various**	All	-	UA1.170.0087539-12

NOTE :

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CONTACT US !

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