

**Effective.
Reliable.
Robust.**

Quality filtering systems and
individualized services





VERSATILITY



SIMPLICITY



EXPERIENCE



EFFECTIVENESS



QUALITY



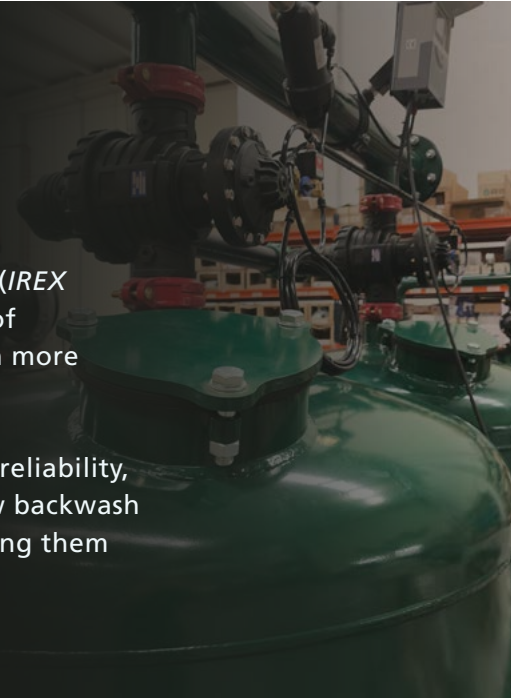
PROFESSIONALISM

About RIS Filters



Filtration systems for irrigation, industry and agriculture from RIS Iberia (*IREX Group, Irrigation Excellence*). Our brand has been created with the aim of enhancing and making our range of filters, both metal and plastic, much more visible, with a functional and attractive design.

Our filters are capable of facing adverse situations, with high long-term reliability, low operating costs, large filtration area, efficient water savings and low backwash pressure. Additionally, they are designed to be strong and durable, making them ideal for use in a wide variety of applications.



Plastic filters range

Y type filter



T type filter



Semiauto-
matic filter



Hydrocyclon



H type filter



Automatic Disc filter



Filtration Systems



Large filtration Systems



Automatic backwash screen filters



Manufacturing process





Y type screen filter

AVAILABLE MODELS:

3/4", 1", 1 1/4", 1 1/2", 2", 3"



See table:

- Discharge plug Male thread or female thread according to model.

CHARACTERISTICS

Manual cleaning.
Compact structure.
Easy and secure screw-on closure system.
Durable stainless steel mesh filter.
Chemical resistant.

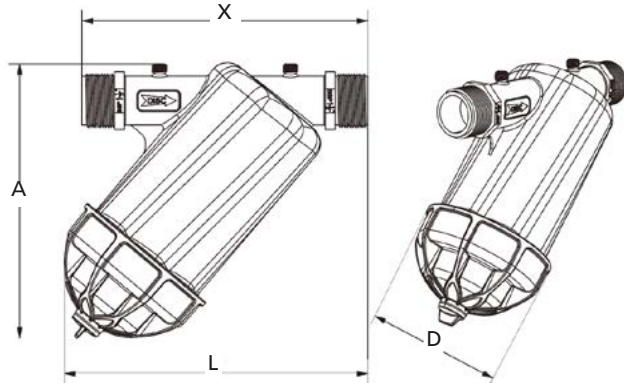
ADVANTAGES

Easy installation, easy maintenance.
Gasket on the filter cover.
2 x 1/4 sockets (input/output) for pressure gauge connection.
Low cost with excellent performance.
Threaded cover for quick cleaning.

TECHNICAL FEATURES

Low flow water filter

Body material: Polypropylene



Size	A (mm)	L (mm)	D (mm)	Weight (kg)
3/4"	173	192	83	0,25
1"	173	192	83	0,25
1 1/4"	230	250	120	0,71
1 1/2"	230	250	120	0,72
2"	260	290	140	0,98
3"	330	360	168	2,10

Code	*Connections (BSP)	Discharge plug (M-F)	Filtration grades (mesh)	Max flow (m ³ /h)	Max pressure (bar)	Filtering surface (cm ²)
428625	3/4"	Male	120	5	8	190
428632	1"	Male	120	6	8	190
428640	1 1/4"	Female	120	10	8	265
428650	1 1/2"	Female	120	14	8	265
428663	2"	Female	120	25	8	485
428690	3"	Male	120	35	8	565

*See options with connections (NPT)

Y type disc filter

AVAILABLE MODELS:

3/4", 1", 1 1/4", 1 1/2", 2", 3"



See table:

- Discharge plug Male thread or female thread according to model.

CHARACTERISTICS

Manual cleaning.
Compact structure.
Easy and secure screw-on closure system.
Filter disc cartridges that retain large amounts of solids.
Chemical resistant.

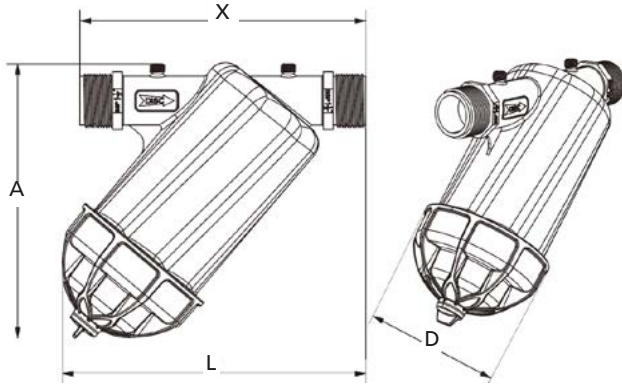
ADVANTAGES

Easy installation, easy maintenance.
Gasket on the filter cover.
2 x 1/4 sockets (input/output) for pressure gauge connection.
Low cost with excellent performance.
Threaded cover for quick cleaning.

TECHNICAL FEATURES

Low flow water filter

Body material: Polypropylene



Size	A (mm)	L (mm)	D (mm)	Weight (kg)
3/4"	173	192	83	0,35
1"	173	192	83	0,35
1 1/4"	230	250	120	0,96
1 1/2"	230	250	120	0,96
2"	260	290	140	1,36
3"	330	360	168	2,70

Code	*Connections (BSP)	Discharge plug (M-F)	Filtration grades (mesh)	Max flow (m ³ /h)	Max pressure (bar)	Filtering surface (cm ²)
428125	3/4"	Male	120	5	8	195
428132	1"	Male	120	6	8	195
428140	1 1/4"	Female	120	10	8	300
428150	1 1/2"	Female	120	14	8	300
428163	2"	Female	120	25	8	525
428190	3"	Male	120	35	8	600

*See options with connections (NPT)

T type screen filter

AVAILABLE MODELS:

2", 3"

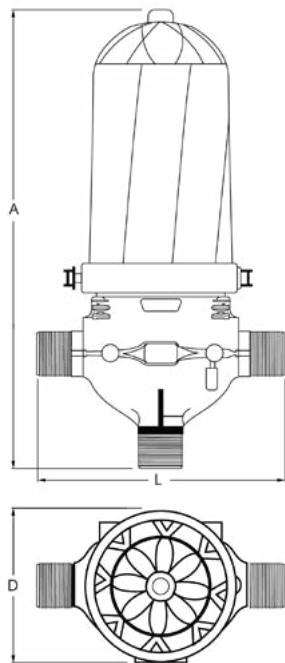


CHARACTERISTICS

Manual cleaning.
Durable stainless steel screen filter.
Chemical resistant.
Saving water and energy.
BSP, Victaulic connections for installation in any position.
Equipped with pressure gauge connections.

ADVANTAGES

Easy installation, easy maintenance.
Body closure: Adjustable high-quality stainless steel clamp.
Easy opening and closing.
Possibility of installation in line or at an angle.
Maximum quality and safety in filtration.



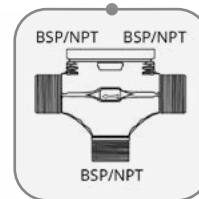
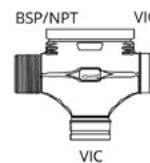
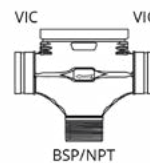
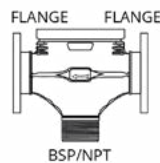
TECHNICAL FEATURES

Medium flow water filter

Body material: Polyamide

Connections:

Type of standard connections.



Size	A (mm)	L (mm)	D (mm)	Weight (kg)
2" Thread	620	320	220	4,8
3" Thread	750	340	220	5,8

Code	*1Connections (BSP)	Filtration grades (mesh)	Max flow (m³/h) (According to water quality) Good Quality	Max Pressure (bar)	Filtering surface (cm²)
423564	2" Thread	*120	30	10	1200
423590	3" Thread	*120	50	10	1700

*Consult different degrees of filtration: 40/80/**120**/150/200/300 mesh

*1See options with connections (NPT)

T type disc filter

AVAILABLE MODELS:

2", 2" Super, 3"

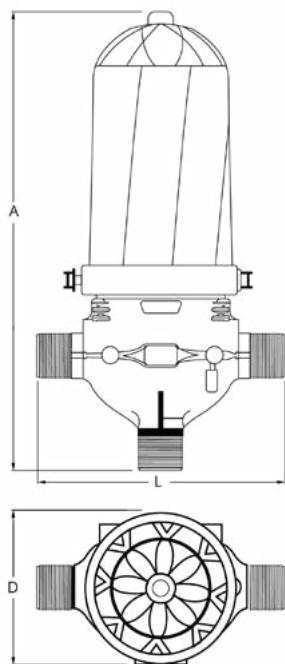


CHARACTERISTICS

Manual cleaning.
Durable stainless steel screen filter.
Chemical resistant.
Saving water and energy.
BSP, Victaulic connections for installation in any position.
Equipped with pressure gauge connections.

ADVANTAGES

Easy installation, easy maintenance.
Body closure: Adjustable high-quality stainless steel clamp.
Easy opening and closing.
Possibility of installation in line or at an angle.
Maximum quality and safety in filtration.



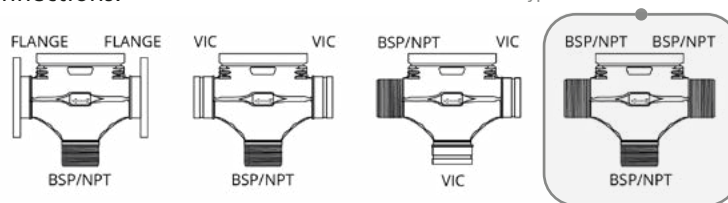
TECHNICAL FEATURES

Medium flow water filter

Body material: Polyamide

Connections:

Type of standard connections.



Size	A (mm)	L (mm)	D (mm)	Weight (kg)
2" Thread	620	320	220	6,2
2" Super Thread	740	320	220	8,2
3" Thread	750	320	220	8,3

Code	*1Connections (BSP)	Filtration grades (mesh)	Max flow (m³/h)	Max pressure (bar)	Filtering surface (cm²)
424664	2" Thread	*120	30	10	1200
424666	2" Super Thread	*120	30	10	1700
424690	3" Thread	*120	50	10	1700

*Consult different degrees of filtration: 40/80/**120**/150/200/300 mesh

*1See options with connections (NPT)

H type disc filter

AVAILABLE MODELS:

4"

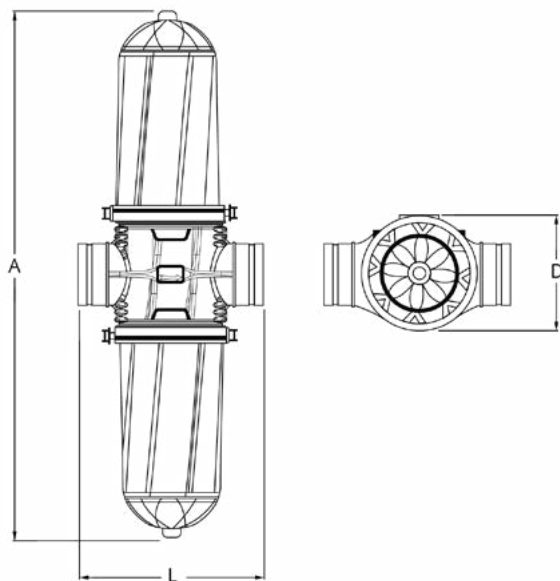


CHARACTERISTICS

Manual cleaning.
Large inlet allows for high flow filtration.
Chemical resistant.
Saving water and energy.
Victaulic or Flange connections for installation in any position.
Equipped with pressure gauge sockets.

ADVANTAGES

Easy installation, easy maintenance.
Body closure: Adjustable high-quality stainless steel clamp.
Easy opening and closing.
Maximum quality and safety in filtration.



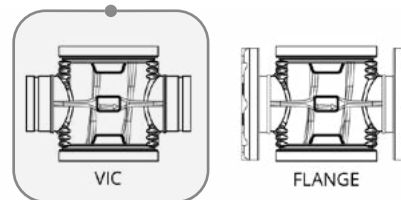
TECHNICAL FEATURES

High flow water filter

Body material: Polyamide

Connections:

Type of standard connections.



Size	A (mm)	L (mm)	D (mm)	Weight (kg)
4" Victaulic	1200	340	220	13,5
4" Flange	1200	340	220	13,5

Code	Connections (Victaulic / Brida)	Filtration grades (mesh)	Max flow (m³/h)	Max pressure (bar)	Filtering surface (cm²)
424728	4" Victaulic	*120	100	10	3400
424729	4" Brida	*120	100	10	3400

*Consult different degrees of filtration: 40/80/**120**/150/200/300 mesh

Semi automatic screen filter

AVAILABLE MODELS:

2", 3"



With cleaning time indicator light.

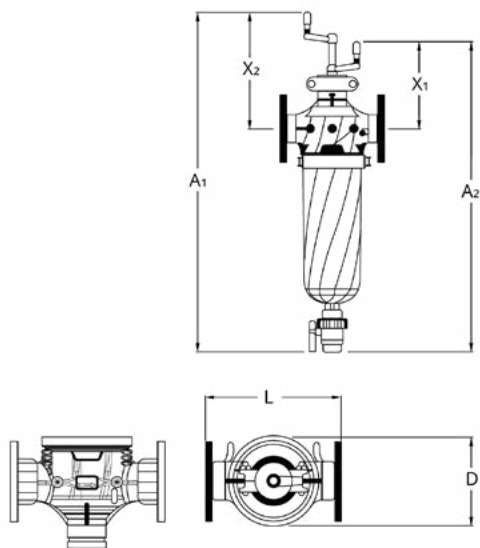


CHARACTERISTICS

Semi automatic easy cleaning.
Without having to dismantle the filter or stop the installation.
Cleaning moment indicator light.
Saving water and energy.
The nozzles scan 100% of the screen, sucking particles and expelling them through the drain.

ADVANTAGES

Low maintenance, no need to interrupt the water supply.
Including drain valve.
Body closure: Adjustable high-quality stainless steel clamp.
Maximum quality and safety in filtration.

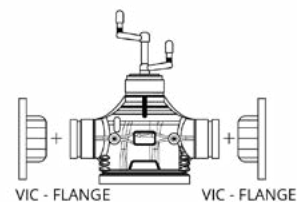


TECHNICAL FEATURES

Medium flow water filter

Body material: Polyamide

Connections:



Size	A 1 (mm)	A 2 (mm)	X 1 (mm)	X 2 (mm)	L (mm)	D (mm)	Weight (kg)
2" Vic and Flange	905	960	345	280	335	220	8,3
3" Vic and Flange	1045	1100	360	300	355	220	10,45

Code	Connections (Victaulic / Flange)	Filtration grades (mesh)	Max flow (m³/h)	Max pressure (bar)	Filtering surface (cm²)
421025	2" Vic and Flange	120	30	10	890
421035	3" Vic and Flange	120	50	10	1190

Hydrocyclon

AVAILABLE MODELS:

2", 3", 4"

It incorporates a manual valve.



CHARACTERISTICS

Irrigation system: When the water source comes from rivers or canals, it is necessary to use a hydrocyclone to separate out the sand and gravel as a first stage filtration process.

ADVANTAGES

Thanks to the cyclonic effect generated inside, sand and gravel particles are removed by gravity.

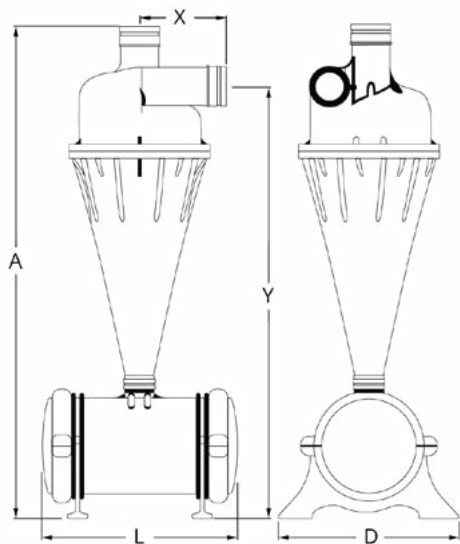
PA material resistant to chemicals and sand impact.

Easy to disassemble sand collector.

Easy transport and storage.

Incorporates a manual valve for tank cleaning.

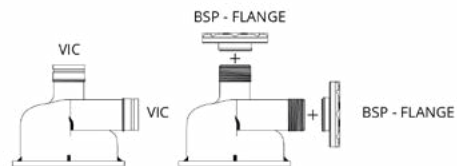
*Optionally an automatic cleaning kit can be ordered.



TECHNICAL FEATURES

Body material: PA (Nylon)

Connections:



Size	A (mm)	L (mm)	D (mm)	X (mm)	Y (mm)	Weight (kg)
2"	1100	490	430	180	963	13
3"	1220	490	430	205	1070	17,5
4"	1220	490	430	205	1070	18

Code	Connections (BSP / Vic / Vic)	Tank capacity (l)	Max flow (m³/h)	Max pressure (bar)
420764	2" Thread / Flange	16	30	8
420790	3" Victaulic / Flange	16	50	8
420799	4" Victaulic / Flange	16	100	8

Refer to the data sheet for pressure drop graphs.

Automatic Disc filter

AVAILABLE MODELS:

T: 2", 2" Super, 3"

H: 3", 3" Super, 4"

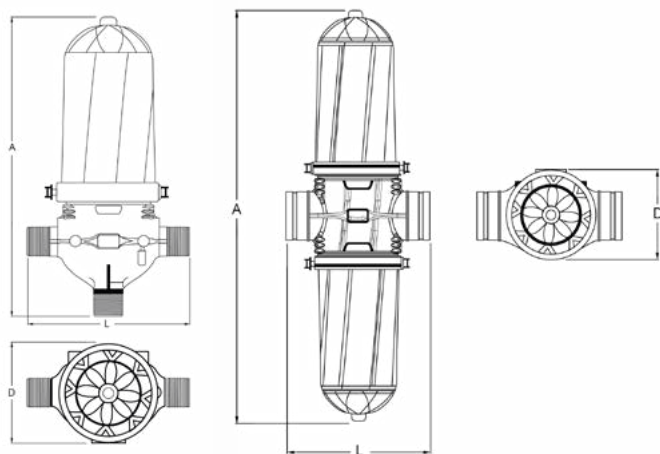


CHARACTERISTICS

Ensures a continuous supply of water even during the cleaning process.
Self-cleaning filter element.
Modularity, versatility, compatibility.
Compact assembly system for easy transportation and installation.

ADVANTAGES

Automatic cleaning.
Saving water and energy.
Multiple degrees of filtration.
Easy installation, easy maintenance.
Chemical resistant.



TECHNICAL FEATURES

High flow water filter

Body material: Polyamide

Size	A (mm)	L (mm)	D (mm)	Weight (kg)
T 2" Vic	620	320	220	7,90
T 2" Vic Super	750	340	220	9,40
T 3" Vic	750	340	220	9,40
H 3" Vic	975	340	220	13,70
H 4" Vic	1220	340	220	15,60

Code	Connections (VIC / VIC / BSP)	Filtration grades (mesh)	Max flow (m³/h)	Max pressure (bar)	Backwash min pressure (bar)	Filtering surface (cm²)
425120	T 2" Vic / Vic / BSP	*120	25	10	1,5	1020
425125	T 2" Vic / Vic / BSP Super	*120	32	10	1,8	1492
425130	T 3" Vic / Vic / BSP	*120	32	10	1,8	1492
425135	H 3" Vic	*120	50	10	2,0	2040
425136	H3" Vic Super	*120	55	10	2,0	2984
425140	H 4" Vic	*120	64	10	2,0	2984

*Consult different degrees of filtration: 40/80/**120**/150/200/300 mesh

2" Super Filter System

with programmer 220 VAC o LATCH 9 V

AVAILABLE MODELS:

1X2", 2X2", 3X2", 4X2", 5X2", 6X2"



CHARACTERISTICS

Intelligent setting of the automatic backwashing procedure.

Efficient water savings with a minimum pressure of 1.8 bar and a minimum drainage flow of 2.5 l/s.

Non stop filtration for water supply during backwashing.

Good filtering at low pressures.

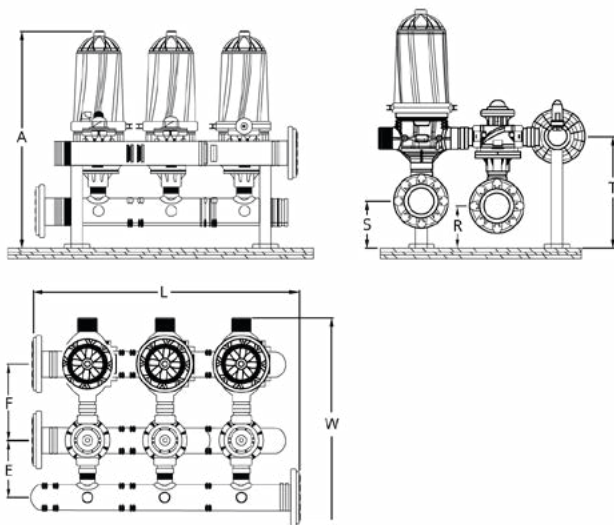
ADVANTAGES

It incorporates a programmer that acts according to pressure data.

Automatic or manual operation.

Chemical resistant.

Wear resistant.



2" (inch) - per individual filter unit			
Quality of water	Micron	130	100
	Mesh	120	150
GOOD	m3/h	25	17
MEDIUM	m3/h	20	14
POOR	m3/h	18	10
VERY POOR	m3/h	12	7

Backwash pressure	200 - 130 micron 75 - 120 mesh	Work pressure	200 - 130 micron 75 - 120 mesh
Min pressure	1,8 bar	Min pressure	2 bar
	26 psi		
Min flow	2,5 l/s	Min flow	5 m3/h
	39 gpm		

Code (220 VAC)	Code (LATCH 9 V)	SPECIFICATIONS				DIMENSIONS							
		Number of units	Mani- fold	Max flow (m³/h)	Filtering surface (cm²)	L (mm)	A (mm)	T (mm)	R (mm)	S (mm)	E (mm)	F (mm)	W (mm)
212612	212201	2" x 1	2" - 50	25	1492	-	1283	691	-	155	-	-	710
212622	212202	2" x 2	3" - 80	50	2984	710	880	405	155	170	205	280	800
212632	212203	2" x 3	4" - 100	75	4476	985	930	450	210	220	215	290	830
212642	212204	2" x 4	4" - 100	100	5968	1260	930	450	210	220	215	290	830
212652	212205	2" x 5	6" - 150	125	7460	1535	930	450	210	220	830	215	290
212662	212206	2" x 6	6" - 150	150	8952	1810	1180	580	250	260	320	305	960

3" Filter System

with programmer 220 VAC o LATCH 9 V

AVAILABLE MODELS:

1X3", 2X3", 3X3", 4X3", 5X3", 6X3"



CHARACTERISTICS

Intelligent setting of the automatic backwashing procedure.

Efficient water savings with a minimum pressure of 1.8 bar and a minimum drainage flow of 2.5 l/s.

Non stop filtration for water supply during backwashing.

Good filtering at low pressures.

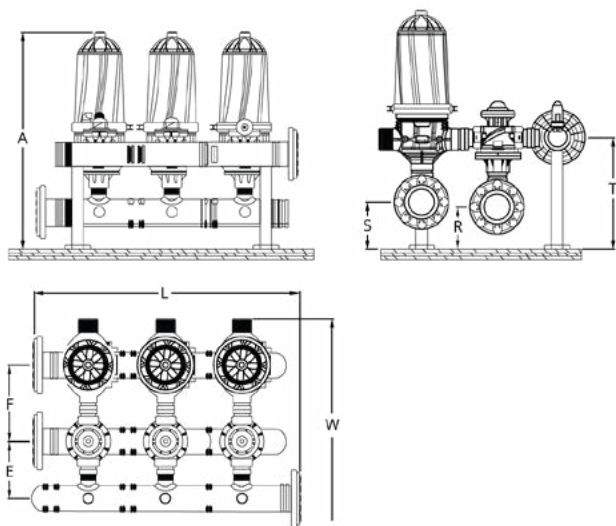
ADVANTAGES

It incorporates a programmer that acts according to pressure data.

Automatic or manual operation.

Chemical resistant.

Wear resistant.



3" (inch) - per individual filter unit			
Quality of water	Micron	130	130
	Mesh	120	120
GOOD	m3/h	36	32
MEDIUM	m3/h	32	30
POOR	m3/h	26	24
VERY POOR	m3/h	16	14

Backwash pressure	200 - 130 micron 75 - 120 mesh	Work pressure	200 - 130 micron 75 - 120 mesh
Min pressure	1,8 bar	Min pressure	3 bar
	26 psi		
Min flow	2,5 l/s	Min flow	5 m3/h
	39 gpm		

Code (220 VAC)	Code (LATCH 9 V)	SPECIFICATIONS				DIMENSIONS							
		Number of units	Mani- fold	Max flow (m³/h)	Filtering surface (cm²)	L (mm)	A (mm)	T (mm)	R (mm)	S (mm)	E (mm)	F (mm)	W (mm)
212613	212301	3" x 1	3" - 80	35	1492	-	1380	489	-	175	-	-	887
212623	212302	3" x 2	4" - 100	64	2984	710	1050	450	150	200	260	305	880
212633	212303	3" x 3	4" - 100	96	4476	985	1050	450	150	200	260	305	880
212643	212304	3" x 4	6" - 150	128	5968	1260	1120	520	220	230	290	305	910
212653	212305	3" x 5	8" - 200	160	7460	1535	1180	580	250	260	320	305	960
212663	212306	3" x 6	8" - 200	192	8952	1810	1180	580	250	260	320	305	960

Large flow systems

AVAILABLE MODELS:

3x4", 4X4", 5x4", 6x4", 8x4" 220 VAC

3x4", 4X4", 5x4", 6x4", 8x4" LATCH 9V



CHARACTERISTICS

Intelligent setting of the automatic backwashing procedure.

Efficient water savings with a minimum pressure of 1.8 bar and a minimum drainage flow of 2.5 l/s.

Continuous filtration for water supply during backwashing.

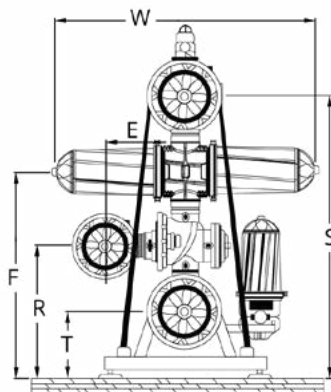
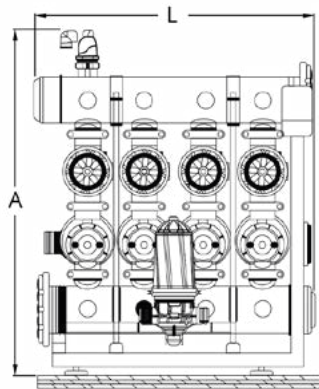
ADVANTAGES

It incorporates a programmer that acts according to pressure data.

Automatic or manual operation.

Chemical resistant.

Wear resistant.



4" (inch) - per individual filter unit			
Quality of water	Micron	130	100
	Mesh	120	150
GOOD	m3/h	64	48
MEDIUM	m3/h	59	40
POOR	m3/h	47	36
VERY POOR	m3/h	28	24

Backwash pressure	200 - 130 micron 75 - 120 mesh	Work pressure	200 - 130 micron 75 - 120 mesh
Min pressure	1,8 bar	Min pressure	2 bar
	26 psi		
Min flow	2,5 l/s	Min flow	8 m3/h
	39 gpm		

Code (220 VAC)	Code (LATCH 9 V)	SPECIFICATIONS				DIMENSIONS							
		Number of units	Manifold	Max flow (m³/h)	Filtering surface (cm²)	L (mm)	A (mm)	T (mm)	R (mm)	S (mm)	E (mm)	F (mm)	W (mm)
212634	212403	4" x 3	6" - 150	192	8652	985	1460	325	625	1250	380	960	1220
212644	212404	4" x 4	6" - 150	248	11936	1260	1650	290	655	1310	380	990	1220
212654	212405	4" x 5	8" - 200	320	14920	1535	1650	290	655	1310	380	990	1220
212664	212406	4" x 6	10" - 250	384	17904	1810	1650	290	655	1310	380	990	1220
212684	212408	4" x 8	10" - 250	512	23872	2910	1760	345	685	1400	380	1020	1220

Possibility of making any different combination according to the needs of each customer.

Automatic backwash screen filter

AVAILABLE MODELS:

3", 4"



CHARACTERISTICS

Filter self-cleaning depends entirely on the water pressure within the system to start cleaning, without external pressure.

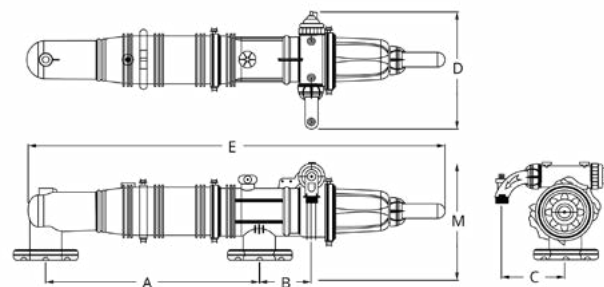
Low maintenance costs.
No tools required, easy operation and high strength.

Easy to transport and install. The filtration system is completely assembled, only the inlet, outlet and drain interfaces need to be connected.

Quality of water	3"			4"	
	Micron	200	130	200	130
	Mesh	80	120	80	120
GOOD	m3/h	50	48	100	98
MEDIUM	m3/h	47	45	97	96
POOR	m3/h	45	43	95	93
VERY POOR	m3/h	43	40	93	90

Backwash pressure		
Backwash min working pressure	1 (bar)	14,5 (psi)
Automatic filter min flow	15 (l/s)	23,8 (gpm)

Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	M (mm)	Weight (kg)
3"	500	186	223	422	1223	1 - 1/2" BSP	15
4"	758	186	223	422	1530	1 - 1/2" BSP	18



Code	Connections (Flange)	Filtration grades	Max flow (m³/h)	Max pressure (bar)
424130	3" Flange	60/80/120	50	10
424140	4" Flange	60/80/120	100	10

RIS Filters

Plastic cartridges

AVAILABLE MODELS:

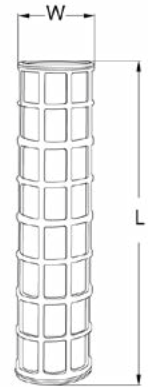
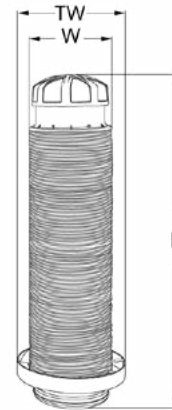
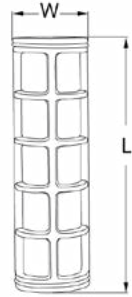
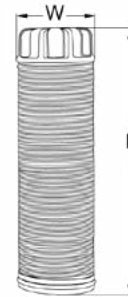
Y Cartridge Ris Filter: Discs - Screen

T/H Cartridge Ris Filter: Discs - Screen

Y Cartridge



T/H Cartridge



DIMENSIONS Y CARTIDGE RIS FILTERS

Connections	Code	DISCS		Code	SCREEN	
		Length (mm)	Width (mm)		Length (mm)	Width (mm)
3/4"	200732	162	46	200932	156	45
1"	200732	162	46	200932	156	45
1 ¼"	200750	180	80	200950	180	80
1 ½"	200750	180	80	200950	180	80
2"	200763	243	80	200963	230	80
3"	200790	318	102	200990	310	102

DIMENSIONS T/H CARTIDGE RIS FILTERS

Connections	Code	DISCS			Code	SCREEN	
		Length (mm)	Width (mm)	Total Width (mm)		Length (mm)	Width (mm)
2"	205600	400	131	171	200289	380	120
2" SUPER	205602	510	131	171	200290	498	120
3"	205602	510	131	171	200290	498	120
4" H	205602	510	131	171	200290	498	120
2" SEMIAUTO	-	-	-	-	200307	374	120
3" SEMIAUTO	-	-	-	-	200308	498	120
2" AUTO	205702	385	131	171	-	-	-
3" AUTO	205703	515	131	171	-	-	-

RIS Filters Programmer

AVAILABLE MODELS:

RIS Filters Programmer 10 Stn AC

RIS Filters battery- operated Programmer 10 Stn DC



CHARACTERISTICS

With 10 standard outputs and differential pressure sensor. Available in 2 models: DC 6V (4x pilas D) and AC 110/220V.

The AC 220V model allows outputs in both 24V AC and DC.

The AC 220V model detects the connected filters automatically.

The programmer registers all the cleanings, both manual, by time, and by pressure difference.

LCD display for programming and status display.
Incorporates time remaining for updates.

Additionally, the controller allows the connection of pressure sensors.

In addition to filters, the controller supports the signal output to both master, sustaining and alarm valves.

TECHNICAL SPECIFICATIONS

Integrated pressure differential.

Water resistant to IP65 standard.

Low battery voltage alarms.

Modular design, prepared to work from 1 to 10 filters.

AC model automatically detects the number of filters connected.

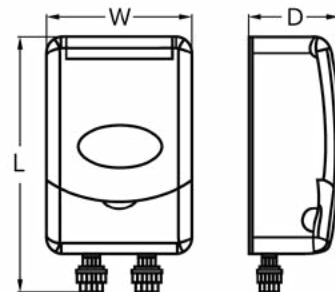
PROGRAMMER SCREEN



Text displayed on the screen	Description
1. Timer	Time until next cleaning
2. DP ACTUAL	Integrated pressure differential
3. FLUSH TIME	Cleaning time
4. DP SET	Set pressure differential
5. FLUSH CYCLE	Time between cleanings

SPECIFICATIONS						
Code	Model	Voltage	Control route	Supply voltage	Screen display	Working temperature
650524	Programmer RIS Filters 10 Stn AC	AC- 110V/220V	10	AC24V	Screen LCD	0°C-60°C
650509	Programador RIS Filters 10 Stn DC a pilas	DC6V	10	DC12-40V Latch	Screen LCD	0°C-60°C

DIMENSIONS			
Model	Length (mm)	Width (mm)	Depth (mm)
Programmer RIS Filters 10 Stn AC	230	150	105
Programmer RIS Filters 10 Stn DC a pilas	230	150	105



Metal filters range

Y type filter



Y type filter
asperson



L type filter
asperson



Semi
automatic



Automatic
motorized
filter



Centrifugal



Hydrocyclon



Sand filter



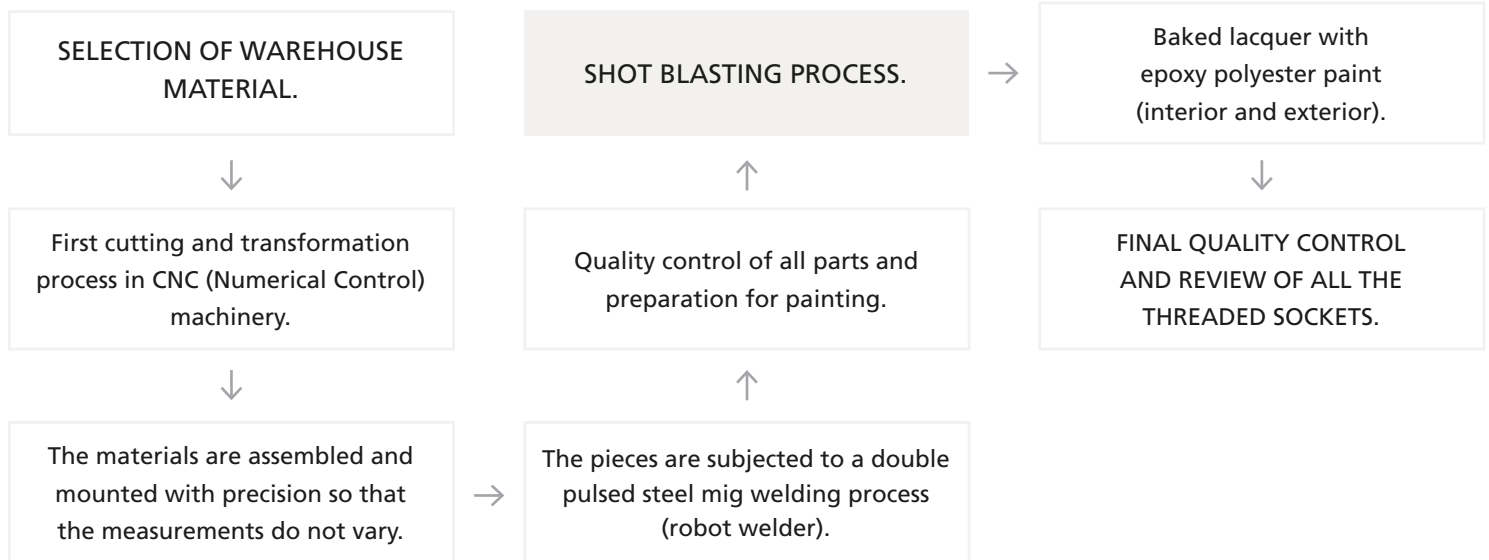
Manual and automatic cleaning filtration system

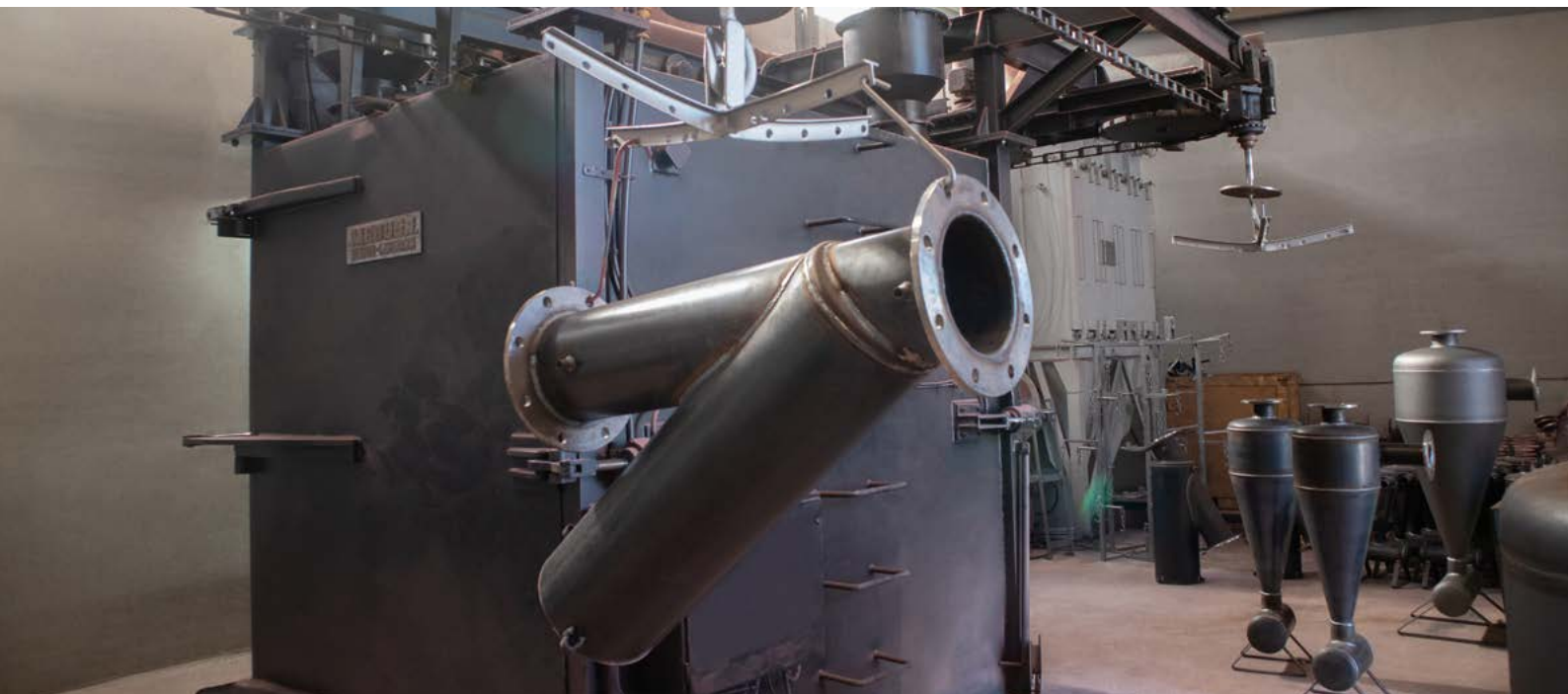


Automatic horizontal and vertical screen filters



Manufacture process





Y type filter

AVAILABLE MODELS:

3", 4", 5", 6", 8", 10"



CHARACTERISTICS

Maximum pressure of 10 Kg/cm².

With 120 mesh mesh or 130 mesh disc cartridge.

With the possibility of requesting internal or external mesh.

ADVANTAGES

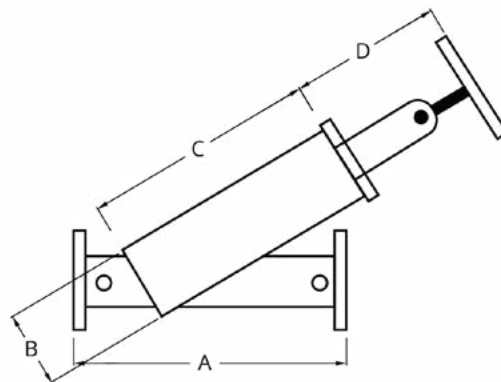
They incorporate a water drainage outlet to empty the water inside, the filter cartridge is removed and manual cleaning is carried out, either submerged in water, brushing or using a high-pressure water machine.

TECHNICAL FEATURES

Metal body: Carbon steel tube according to regulations.

Filter cartridge: In PVC PN-10.

Paint: Sand blasting, zinc primer + oven-baked thermo-lacquered polyester epoxy layer.



Code (screen)	Code (disc)	SPECIFICATIONS		DIMENSIONS						
		Connections (Thread-Flange)	Filtering surface (cm ²)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Closing	Weight (kg)
420852	420002	2" Thread	25	440	165	300	120	-	*BU	10
420861	420010	3" Thread	45	570	165	450	120	-	*BU	13
420701	420014	3" Flange	45	580	165	450	120	60	*BU	18
420702	420016	4" Flange	90	980	220	600	120	60	*BU	27
420885	-	5" Flange	120	750	220	750	120	60	*BU	35
420897	-	6" Flange	150	750	275	750	30	60	*BU	43
420899	-	8" Flange	225	940	275	900	30	60	*LU	53
-	-	10" Flange	300	1000	325	1000	30	60	*LU	70

*BU: Butterfly closure - LU: Lug closure

Y type filter screen aspiration 2mm

AVAILABLE MODELS:

3", 4", 5", 6", 8", 10"



CHARACTERISTICS

The cartridge in the sprinkler model is a cylindrical sheet metal mesh with 2 mm stainless steel holes.

ADVANTAGES

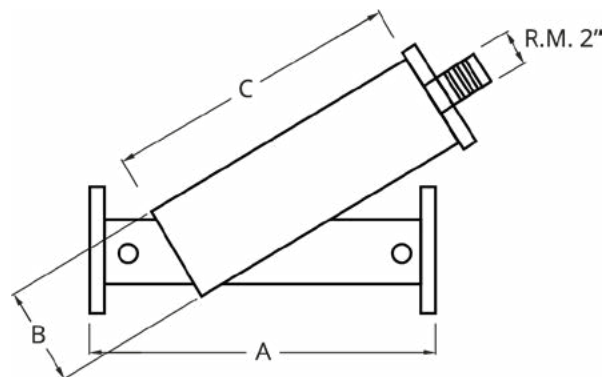
They incorporate a water drainage outlet to empty the water inside, the filter cartridge is removed and manual cleaning is carried out, either submerged in water, brushing or using a high-pressure water machine.

TECHNICAL FEATURES

Metal body: Carbon steel tube according to regulations.

Filter cartridge: In PVC PN-10.

Paint: Sand blasting, zinc primer + oven-baked thermo-lacquered polyester epoxy layer.



Code	SPECIFICATIONS			DIMENSIONS				
	Connections (Flange)	Max flow (m³/h)	Filtering surface (cm²)	A (mm)	B (mm)	C (mm)	*Closing	Weight (kg)
420713	3" Flange	45	1764	580	165	450	LU	18
420704	4" Flange	70	3000	980	220	600	LU	27
420886	5" Flange	120	3750	750	220	750	LU	35
420898	6" Flange	150	4725	750	275	750	LU	43
420900	8" Flange	290	5670	940	275	900	LU	53
420912	10" Flange	350	7850	1000	325	1000	LU	70
421812	12" Flange	480	9900	1100	406	1200	LU	95

*LU: Lug closure

L type filter screen aspiration 2mm

AVAILABLE MODELS:

3", 4", 5", 6", 8", 10", 12"



CHARACTERISTICS

The cartridge in the sprinkler model is a cylindrical sheet metal mesh with 2 mm stainless steel holes.

ADVANTAGES

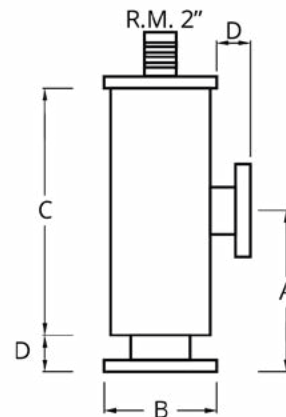
They incorporate a water drainage outlet to empty the water inside, the filter cartridge is removed and manual cleaning is carried out, either submerged in water, brushing or using a high-pressure water machine.

TECHNICAL FEATURES

Metal body: Carbon steel tube according to regulations.

Filter cartridge: In PVC PN-10.

Paint: Sand blasting, zinc primer + oven-baked thermo-lacquered polyester epoxy layer.



Code	SPECIFICATIONS			DIMENSIONS					
	Connections (Flange)	Nominal flow (m³/h)	Filtering surface (cm²)	A (mm)	B (mm)	C (mm)	D (mm)	*Closing	Weight (kg)
420714	3" Flange	45	1764	340	165	450	100	LU	16
420876	4" Flange	90	3000	400	220	600	100	LU	25
420887	5" Flange	120	3750	475	220	750	100	LU	33
420896	6" Flange	150	4725	475	275	750	120	LU	40
420901	8" Flange	225	5670	570	275	900	120	LU	50
420914	10" Flange	300	7850	620	352	1000	120	LU	70
421512	12" Flange	480	-	620	406	1200	120	LU	95

*LU: Lug closure

Semiautomatic screen filter

AVAILABLE MODELS:

2", 3", 4", 5", 6", 8"



CHARACTERISTICS

In semi-automatic filters we find a filtration system equal to any screen filter and with the same security of particle retention, except that cleaning can be carried out manually by turning a crank system that has brushes incorporated inside.

ADVANTAGES

Semi-automatic cleaning in a single turn.
Highly recommended for situations with a lot of dirt and organic matter.
No need to interrupt supply of water.

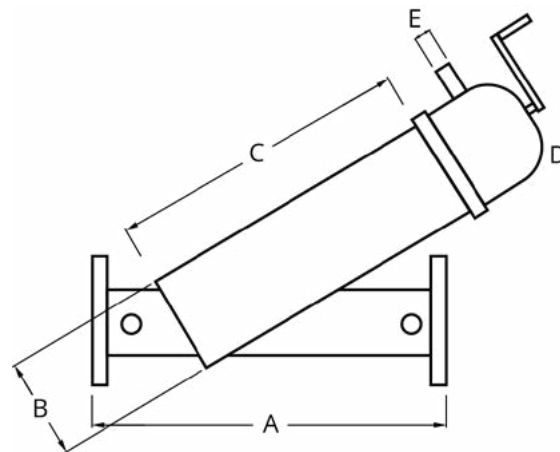
TECHNICAL FEATURES

Metal body: Carbon steel tube according to regulations.

Filter cartridge: In PN-10.

Filtration brushes: Nylon inserted in stainless steel support.

Paint: Sand blasting, zinc primer + oven-baked thermo-lacquered polyester epoxy layer.



Code	SPECIFICATIONS		DIMENSIONS					
	Connections (Thread / Flange)	Max flow (m³/h)	A (mm)	B (mm)	C (mm)	D (mm)	E (inch)	Weight (kg)
421042	2" Thread	25	440	165	300	150	1"	13
421043	3" Flange	45	580	165	450	150	1"	22
421044	4" Flange	80	680	220	600	150	1½"	29
421045	5" Flange	120	750	220	750	150	1½"	38
421046	6" Flange	160	750	275	750	150	2"	53
421048	8" Flange	225	935	275	800	150	2"	63

Automatic motorized screen filter

AVAILABLE MODELS:

2", 3", 4", 5", 6", 8"



CHARACTERISTICS

Filtration produced by a rotating movement of the brush using an electric motor with the advantage of not having to stop the installation to carry out cleaning.

It allows cleaning at less than 1 m.c.a. of pressure.

ADVANTAGES

It is not necessary to place a holding or check valve at the filtered water outlet.

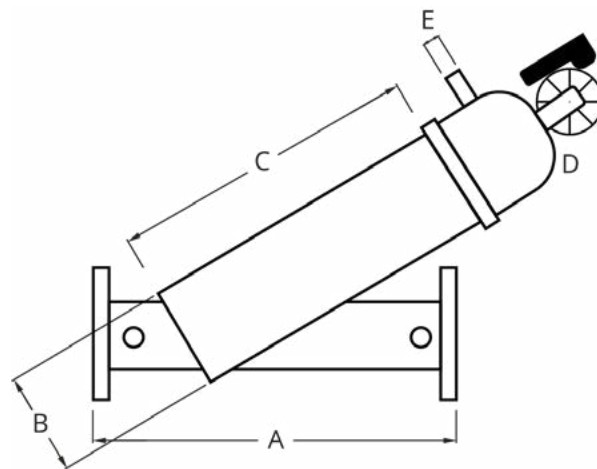
TECHNICAL FEATURES

Metal body: Carbon steel tube according to regulations.

Filter cartridge: In PN-10.

Filtration brushes: Nylon inserted in stainless steel support.

Paint: Sand blasting, zinc primer + oven-baked thermo-lacquered polyester epoxy layer.



Code	SPECIFICATIONS		DIMENSIONS					
	Connections (Thread / Flange)	Max flow (m³/h)	A (mm)	B (mm)	C (mm)	D (mm)	E (inch)	Weight (kg)
421022	2" Thread	25	440	165	300	150	1"	13
421031	3" Thread	45	580	165	450	150	1"	22
421049	4" Flange	80	680	220	600	150	1½"	29
421054	5" Flange	120	750	220	750	150	1½"	38
421066	6" Flange	160	750	275	750	150	2"	53
421083	8" Flange	225	935	275	800	150	2"	63

Possibility to order in 12 DC

Centrifugal screen filter

AVAILABLE MODELS:

2", 3", 4", 5", 6"



CHARACTERISTICS

The filters incorporate a water drain inlet in the tank to remove sand, the filter cartridge can also be removed for manual cleaning.

ADVANTAGES

Recommended placement behind a sand separator element to eliminate small particles that are generally more difficult to decant.

It cannot be used for water that contains stones or pieces of metal, as it could break the mesh in a few minutes.

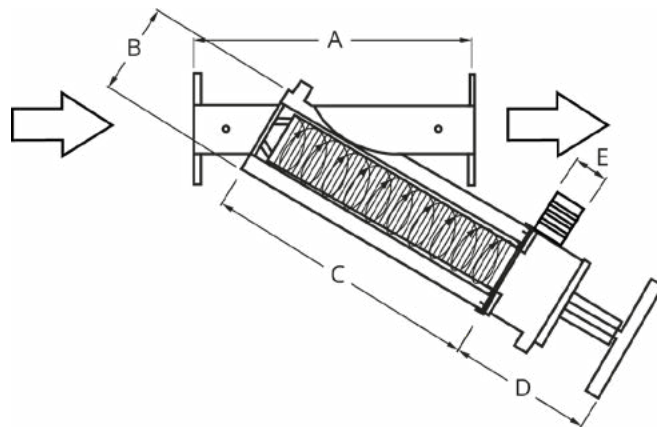
A kit of 5 plugs is supplied in order to be able to adjust the required flow rate.

TECHNICAL FEATURES

Metal body: Carbon steel tube according to regulations.

Filter cartridge: In PN-10.

Paint: Sand blasting, zinc primer + oven-baked thermo-lacquered polyester epoxy layer.



Code	SPECIFICATIONS		DIMENSIONS					
	Connections (Thread/Flange)	Max flow (m³/h)	A (mm)	B (mm)	C (mm)	D (mm)	E (inch)	Weight (kg)
420502	2" Thread	20	440	165	300	260	1"	13
420503	3" Thread	40	580	165	450	260	1"	23
420504	4" Flange	85	680	220	600	260	1"	32
420505	5" Flange	95	750	220	750	260	1"	40
420506	6" Flange	140	750	275	750	130	1½"	48

Hydrocyclon

AVAILABLE MODELS:

1", 1 ½", 2", 2 ½", 3", 4", 5", 6"



***Optional:**

Cleaning kit with valve and programmer to automate cleaning.



CHARACTERISTICS

It is used to decant solids, pieces of rust, or iron from boreholes.

ADVANTAGES

It separates particles that are heavier than water, about 100 microns, excluding particles of organic matter such as algae, silt or sand that are dissolved in the water.

TECHNICAL FEATURES

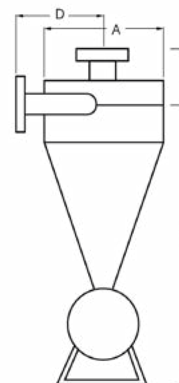
Metal construction:

SJR 275 carbon steel sheet.

Input and output connections:

Standardized flanges PN-10, Thread or Vitaulic connection.

Paint: Sand blasting, zinc primer
+ oven-baked thermo-lacquered
polyester epoxy layer.



Code	SPECIFICATIONS		DIMENSIONS					
	Connections (Thread/Flange)	Nominal flow (m³/h)	A (mm)	B (mm)	C (mm)	D (mm)	Weight Volume	Weight (kg)
420629	1" Thread	5-8	140	660	125	215	0,036	8
420630	1 ½" Thread	8-12	220	620	130	300	0,041	12
420632	2" Thread	12-24	250	700	160	385	0,064	15
420640	2 ½" Flange	24-42	280	850	180	410	0,092	26
421105	3" Flange	42-55	320	1000	210	490	0,154	32
421109	4" Flange	55-75	500	1210	300	610	0,453	56
421116	5" Flange	75-110	600	1540	325	720	0,781	90
421118	6" Flange	110-140	650	1550	325	840	0,911	98

Sand filter systems

AVAILABLE MODELS:

1 ½", 2", 3", 4", 6"



TECHNICAL FEATURES

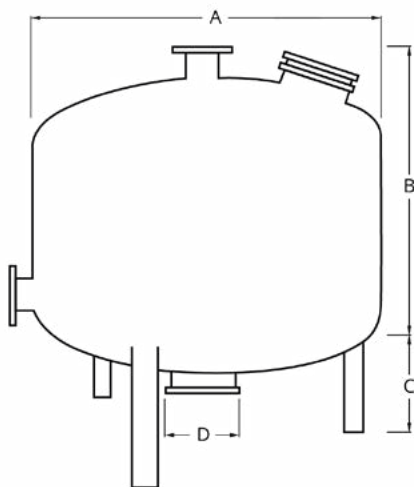
Pressure: Max pressure 8 Kg/cm²

Input and output connections:
Normalized Flanges DN- Thread or
Vitaubic connection.

Paint: Sand blasting, zinc primer
+ oven-baked thermo-lacquered
polyester epoxy layer.

ADVANTAGES

Highly recommended for situations where it is necessary to eliminate suspended solids, such as in river waters, reservoirs, farm ponds and wastewater.



Connections	A (mm)	B (mm)	C (mm)	D (mm)
1 ½"	500	530	440	50
2"	750	670	520	60
3"	950	750	550	90
4"	1200	830	550	114
6"	1400	1020	600	165

Code	SPECIFICATIONS				DIMENSIONS		
	Connections (Thread / Flange / Vic)	Filtering surface (cm²)	River / Reservoir (m³/h)	Residual (m³/h)	Volume (m³)	Sand (kg)	Weight (kg)
420286	1 ½" Thread / Vic	1962	15	10	0,18	175	45
420313	2" Thread / Vic	4415	30	18	0,70	350	76
420353	3" Flange / Vic	4084	50	38	1,30	600	130
420402	4" Flange / Vic	11304	70	65	2,14	1100	180
420404	6" Flange / Vic	15386	115	100	3,17	1500	284

Filtration system manual cleaning

AVAILABLE MODELS:

1 ½", 2", 3", 4"



CHARACTERISTICS

Filtration system: If the water source comes from rivers or lakes, it is necessary to first use a centrifugal filter to shake out the sand and gravel as a first stage filtration process.

ADVANTAGES

Performs centrifugation using gravity of sand and gravel.
PA material resistant to chemicals and sand impact.
Easy to disassemble sand collector.

The most commonly used combinations are shown here, but any different combination can be made according to the needs of each customer.

Code	SPECIFICATIONS		
	Description	Max flow (m³/h)	Washing (individual) (m²)
191112	1 FAR 1 ½" + FMYR 2"	18	9
191213	1 FAR 2" + FMYR 2"	30	13
191313	1 FAR 3" + FMYR 3"	45	25
191414	1 FAR 4" + FMYR 4"	60	42
192214	2 FAR 2" + FMYR 4"	60	13
192314	2 FAR 3" + FMYR 4"	90	25
192416	2 FAR 4" + FMYR 6"	130	42
193316	3 FAR 3" + FMYR 6"	150	25
193418	3 FAR 4" + FMYR 8"	195	42
194444	4 FAR 4" + 4 FMYR 4"	260	42
196464	6 FAR 4" + 6 FMYR 4"	390	42

Filtration system automatic cleaning

AVAILABLE MODELS:

2", 3", 4"



CHARACTERISTICS

Filtration system: If the water source comes from rivers or lakes, it is necessary to first use a centrifugal filter to shake out the sand and gravel as a first stage filtration process.

ADVANTAGES

Performs centrifugation using gravity of sand and gravel.
PA material resistant to chemicals and sand impact.
Easy to disassemble sand collector.

The most commonly used combinations are shown here, but any different combination can be made according to the needs of each customer.

Code	SPECIFICATIONS		
	Description	Max flow (m ³ /h)	Washing (individual) (m ²)
192215	2 FAR 2" + FMYR 4" Aut.	60	13
192315	2 FAR 3" + FMYR 4" Aut.	90	25
192417	2 FAR 4" + FMYR 6" Aut.	130	42
193317	3 FAR 3" + FMYR 6" Aut.	150	25
193419	3 FAR 4" + FMYR 8" Aut.	195	42
194445	4 FAR 4" + 4 FMYR 4" Aut.	260	42
196465	6 FAR 4" + 6 FMYR 4" Aut.	390	42

The standard automatic filtering system is composed of the specific sand filters and mesh filter, fully equipped with inlet and outlet manifolds, automatic valves, programmer, hydraulic and electrical pre-connection, pressure gauges, gaskets, screws and even silica sand.

Vertical automatic screen filter

AVAILABLE MODELS:

Auto. unequipped: 2", 3", 4"

Auto. equipped: 2", 3", 4"



*Optional:

Possibility with 9V battery programmer or 220V programmer.

CHARACTERISTICS

The water arrives through the inlet manifold, undergoes a pre-filtration and from there it passes internally to the main cartridge that filters from the inside out, this sieve retains the dirt inside and the clean water passes to the outlet manifold.

ADVANTAGES

Maximum working pressure: 10 bar

Minimum cleaning pressure: 2 bar

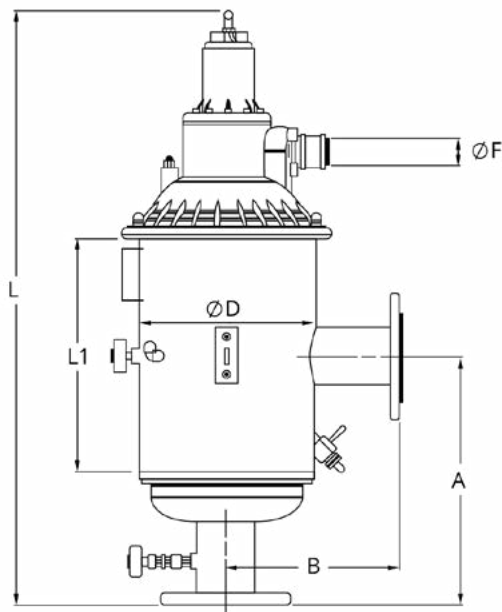
With high quality and resistant cleaning screen.

Maximum working temperature: 60 °C

Cleaning process control: Programmed by time and/or pressure.

Filtration: 120 mesh

Paint: Polyester epoxy



Connections	SPECIFICATIONS		
	Max flow (m ³ /h)	Flushing flow (m ³ /h)	Filtering surface (cm ²)
2" Flange DN 50	30	6	658
3" Flange DN 80	55	12	1317
4" Flange DN 100	100	18	1975

Code (unequipped)	Code (equipped)	Connections (Flange)	DIMENSIONS						
			A (mm)	B (mm)	L1 (mm)	L (mm)	D (mm)	F (mm)	Weight (kg)
432064	431064	2" Flange DN 50	310	270	205	760	10"	2"	22
432096	431096	3" Flange DN 80	390	270	365	920	10"	2"	39
432128	431128	4" Flange DN 100	440	270	465	1020	10"	2"	44

Horizontal automatic screen filter

AVAILABLE MODELS:

4", 5", 6", 8", 10"



*Optional:

Possibility with 9V battery programmer or 220V programmer.

CHARACTERISTICS

The water arrives through the inlet manifold, undergoes a pre-filtration and from there it passes internally to the main cartridge that filters from the inside out, this sieve retains the dirt inside and the clean water passes to the outlet manifold.

ADVANTAGES

Maximum working pressure: 10 bar

Minimum cleaning pressure: 2 bar

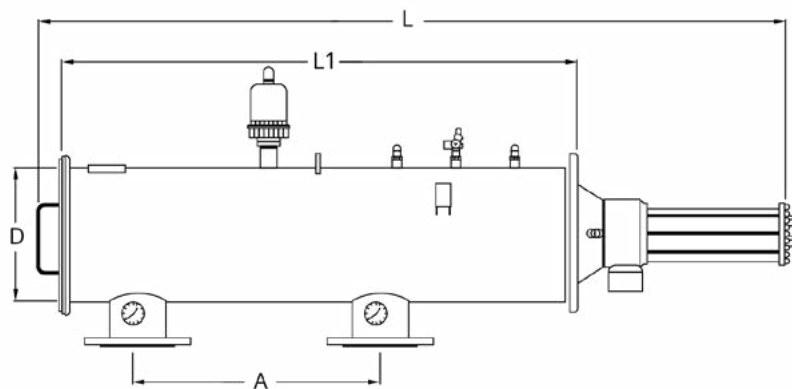
With high quality and resistant cleaning screen.

Maximum working temperature: 60 °C

Cleaning process control: Programmed by time and/or pressure.

Filtration: 120 mesh

Paint: Polyester epoxy



Code	SPECIFICATIONS			DIMENSIONS				
	Connections (Flange)	Nominal Flow (m³/h)	Filtering surface (cm²)	A (mm)	L1 (mm)	L (mm)	D (mm)	Weight (kg)
433160	5" Flange	150	3951	600	1220	1904	10"	93,8
433192	6" Flange	180	5268	900	1530	2214	10"	130,9
433256	8" Flange	320	7902	1100	1922	2596	12"	151
433320	10" Flange	380	7902	1100	1922	2596	12"	161

Metal cartridges

RIS Filters

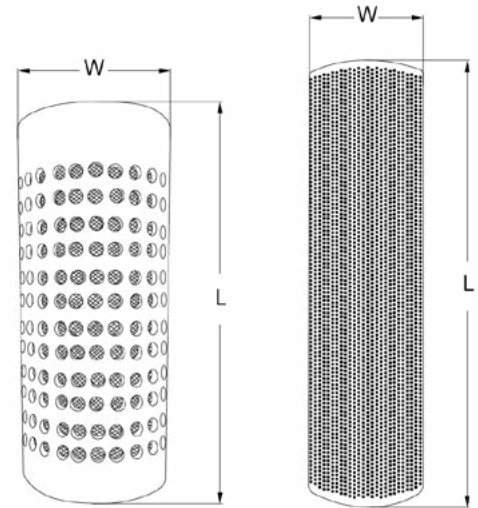
AVAILABLE MODELS:

Drip / Centrifugal / Asperson: 2", 3", 4", 5", 6", 8"

Drip and centrifugal cartridges



Asperson cartridges



RIS FILTERS SCREEN CARTRIDGES DIMENSIONS(120 mesh)

*Filtration grades (mesh / micron)	120 mesh 130 micron	120 mesh 130 micron	2 mm	Dimensions	
Filter type	Code Drip interior screen	Code Centrifugal	Code Aspersión	Length (mm)	Width (mm)
2"	200131	200026	200402	295	125
3"	200157	200028	200403	445	125
4"	200206	200025	200214	595	160
5"	200208	200027	200405	745	160
6"	200260	-	200406	745	200
8"	200280	-	200408	895	200

*Consult other filtration degrees: Drip 80/100/120 mesh - Aspersión: 1,5/2/3 mm
Consult options for filters with external screen.



RIS Filters

ZARAGOZA

C/ Los Ángeles, 9
Polígono Centrovía
50196 La Muela
976 144 700

MADRID

C/ Tales de Mileto, 15, Nave 29
Polígono Mapfre
28806 Alcalá de Henares
918 020 292

SEVILLA

C/ San Nicolás Díez, 33B
Polígono San Nicolás
41500 Alcalá de Guadaira
955 996 784

BOLONIA

Via Viadagola, 48
Granarolo dell'Emilia
40057, Italia
+39 051 763 363

