itm Filters

Water Solutions

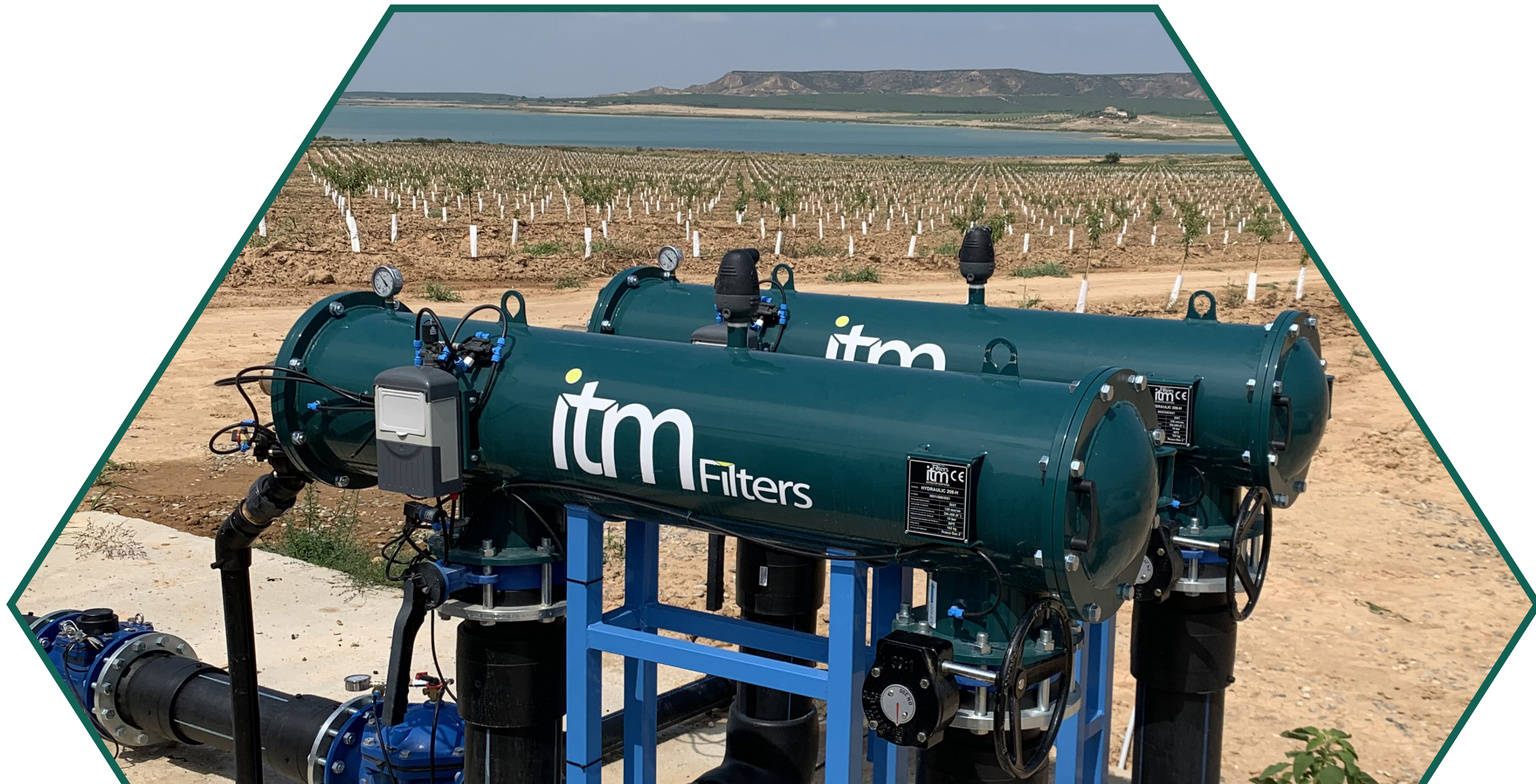
CATALOGUE Nº22

PRODUCTS

itm Filters
Water Solutions

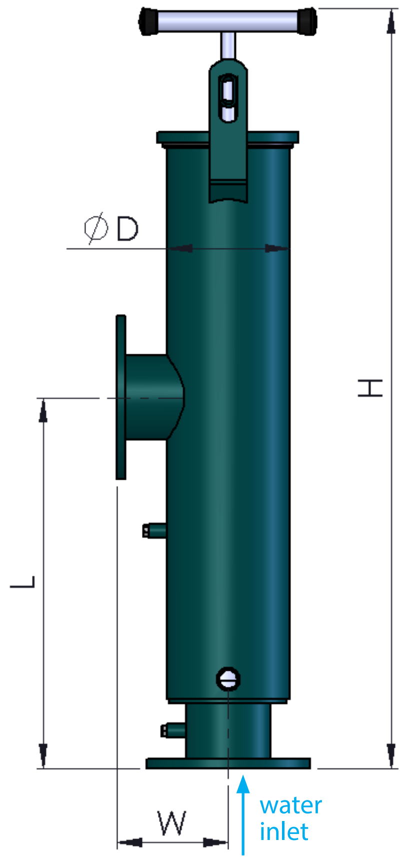
At **ITM FILTERS** we design and manufacture filtering solutions for processes and applications in the Irrigation, Industry, Municipal and Environmental sectors.

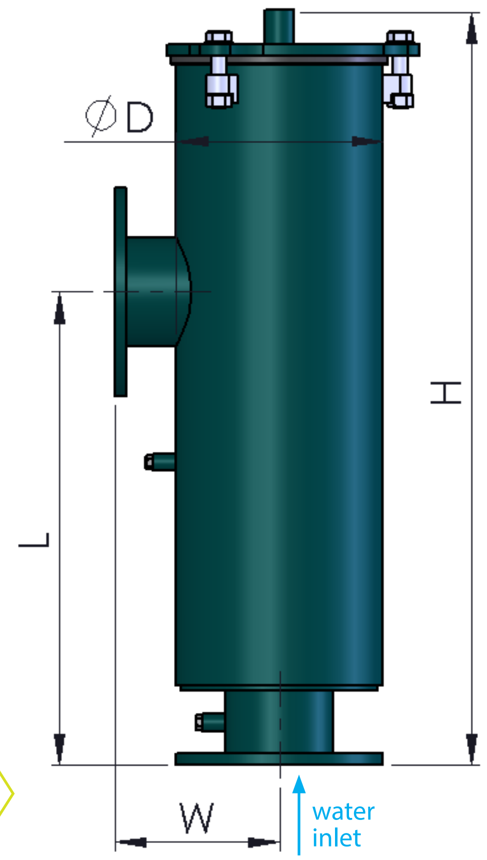
We have a wide variety of products that are tailored to your needs to ensure optimal water filtration depending on the scope of application. We manufacture our products with high quality equipment, materials, and procedures.



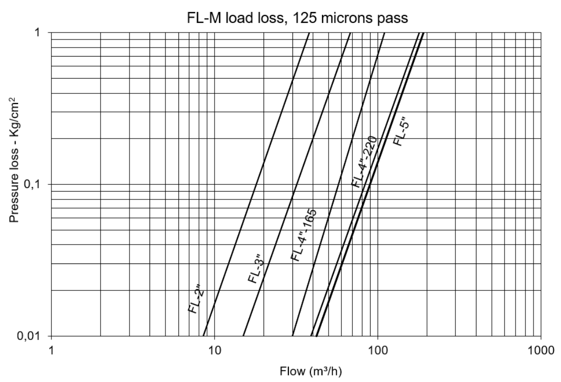
METALLIC MANUAL FILTERS

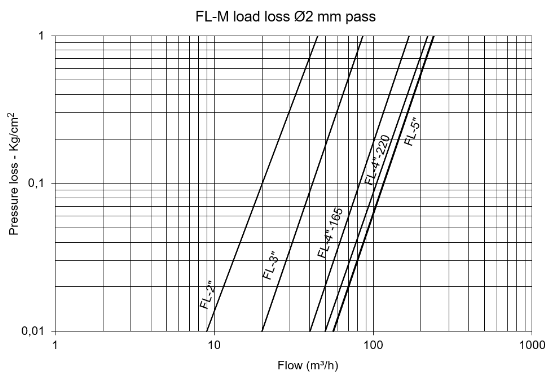
Metallic L Filter (FL-M)





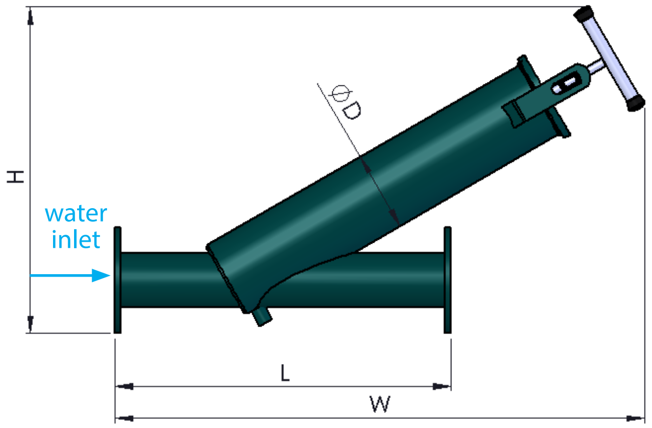
Working pressure 10kg/cm²

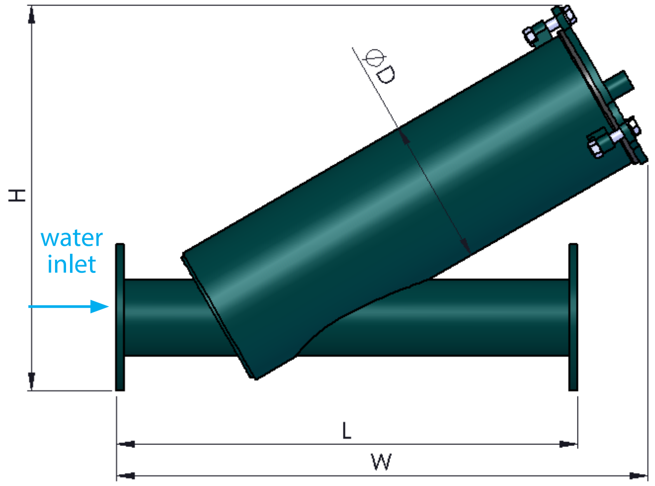




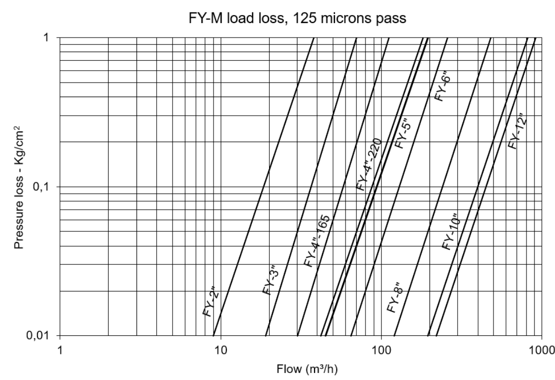
MODEL	ØI/ØO	Flows (m^3/h)		Filtration Surface (cm²)	Net Weight (kg)	Filter opening	Dimensions (mm)			
		Mesh Cartridge (Drip)	ø2 mm Cartridge (Sprinkler)				ØD	L	H	W
FL-2"-M	Male Thread 2"	21	26	1500	12	Wing Nut	165	350	605	140
FL-3"-M	Flange 3"	42	51	2006	20	Wing Nut	165	365	746	145
FL-4"-165-M	Flange 4"	83	97	3007	24	Wing Nut	165	500	1025	150
FL-4"-220-M	Flange 4"	104	121	3160	33	Screws	220	500	797	175
FL-5"-M	Flange 5"	128	155	3160	36	Screws	220	500	797	175
FL-6"-M	Flange 6"	152	185	5579	63	Screws	323	840	1086	265

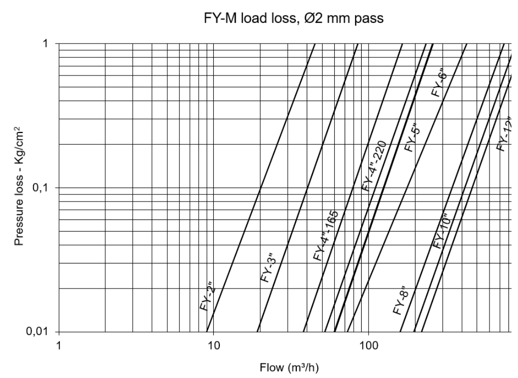
Metallic Y Filter (FY-M)





Working pressure 10kg/cm²

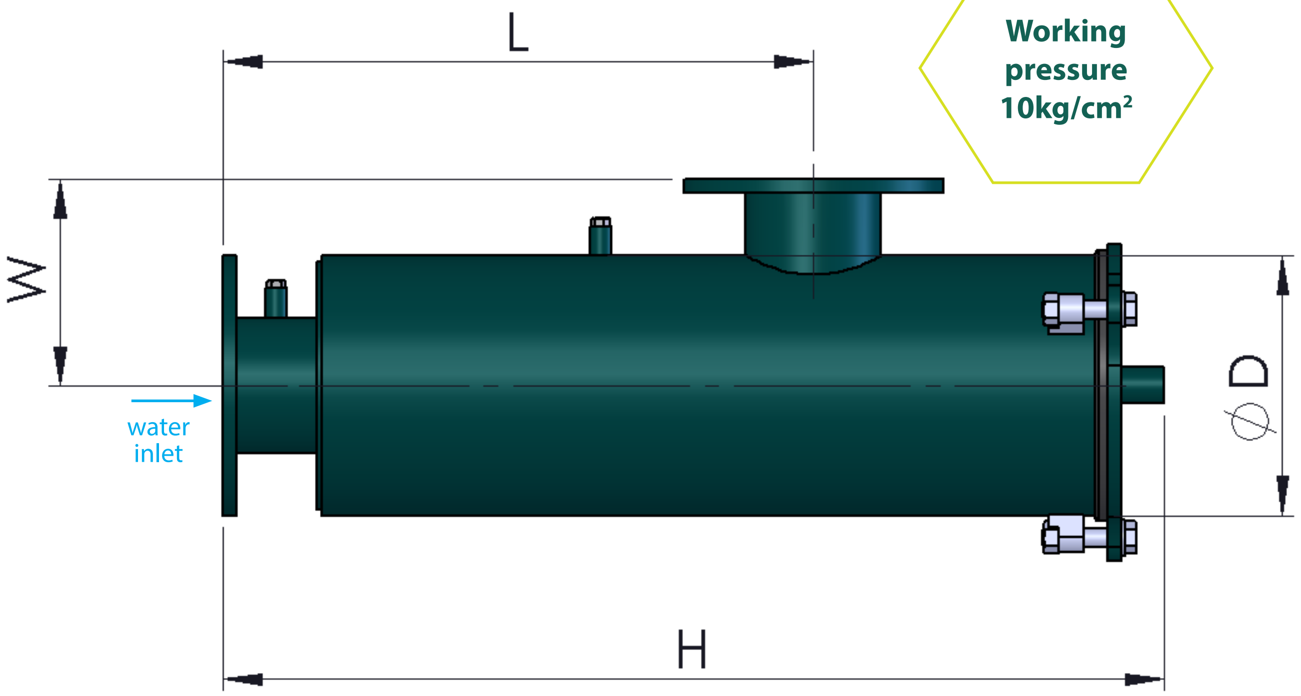




MODEL	ØI/ØO	Flows (m^3/h)		Filtration Surface (cm²)	Net Weight (kg)	Filter opening	Dimensions (mm)			
		Mesh Cartridge (Drip)	ø2 mm Cartridge (Sprinkler)				ØD	L	H	W
FY-2"-M	Male Thread 2"	21	26	1500	12	Wing Nut	165	450	470	613
FY-3"-M	Flange 3"	42	51	2006	21	Wing Nut	165	495	542	757
FY-4"-165-M	Flange 4"	83	97	3007	25	Wing Nut	165	695	678	1096
FY-4"-220-M	Flange 4"	104	121	3160	36	Screws	220	695	580	801
FY-5"-M	Flange 5"	128	155	3160	38	Screws	220	695	595	801
FY-6"-M	Flange 6"	152	185	5579	66	Screws	323	725	924	990
FY-8"-M	Flange 8"	301	365	11040	135	Screws	355	1000	1137	1323
FY-10"-M	Flange 10"	402	485	13700	163	Screws	355	1000	1356	1515

METALLIC MANUAL FILTERS

L Filter Pivot Foot (FL-PP)

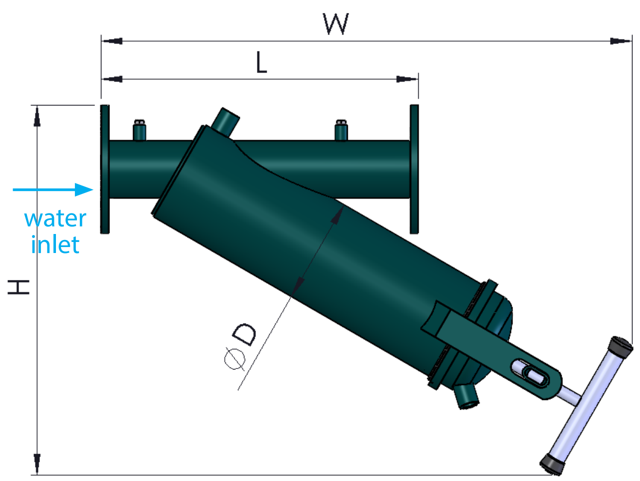


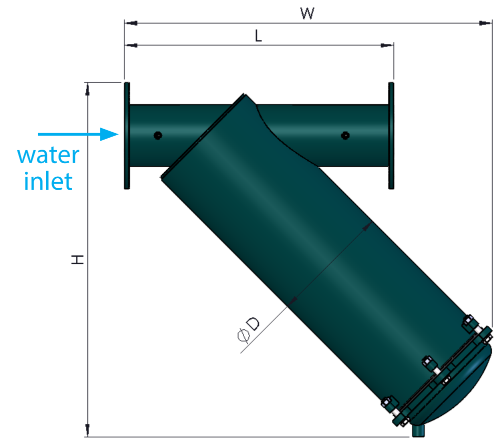
Working pressure 10kg/cm²

Inox cartridge

MODEL	ØI/ØO	Flows (m³/h)	Filtration Surface (cm²)	Net Weight (kg)	Filter opening	Dimensions (mm)			
		ø2 mm Cartridge (Sprinkler)				ØD	L	H	W
FL-PPM-6"	Flange 6"	285	8550	94	Flange	323	1415	1690	265
FL-PPM-8"	Flange 8"	340	11350	112	Flange	323	1640	1940	265
FL-PPM-10"	Flange 10"	515	15630	176	Flange	406	1610	1934	300
FL-PPM-12"	Flange 12"	605	18000	199	Flange	406	1800	2257	300

Y Filter - Metallic Cyclonic Effect (FY-EC)





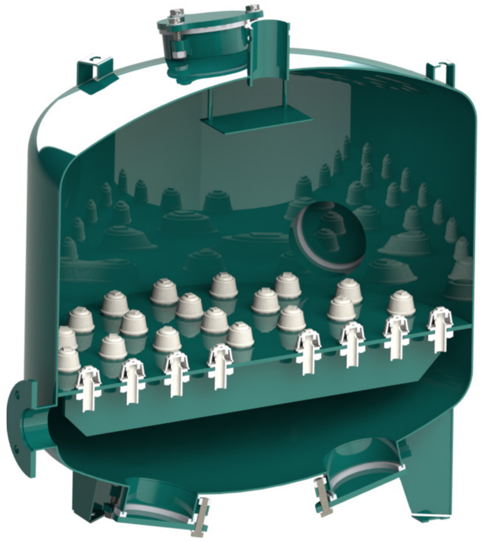
Working pressure 10kg/cm²

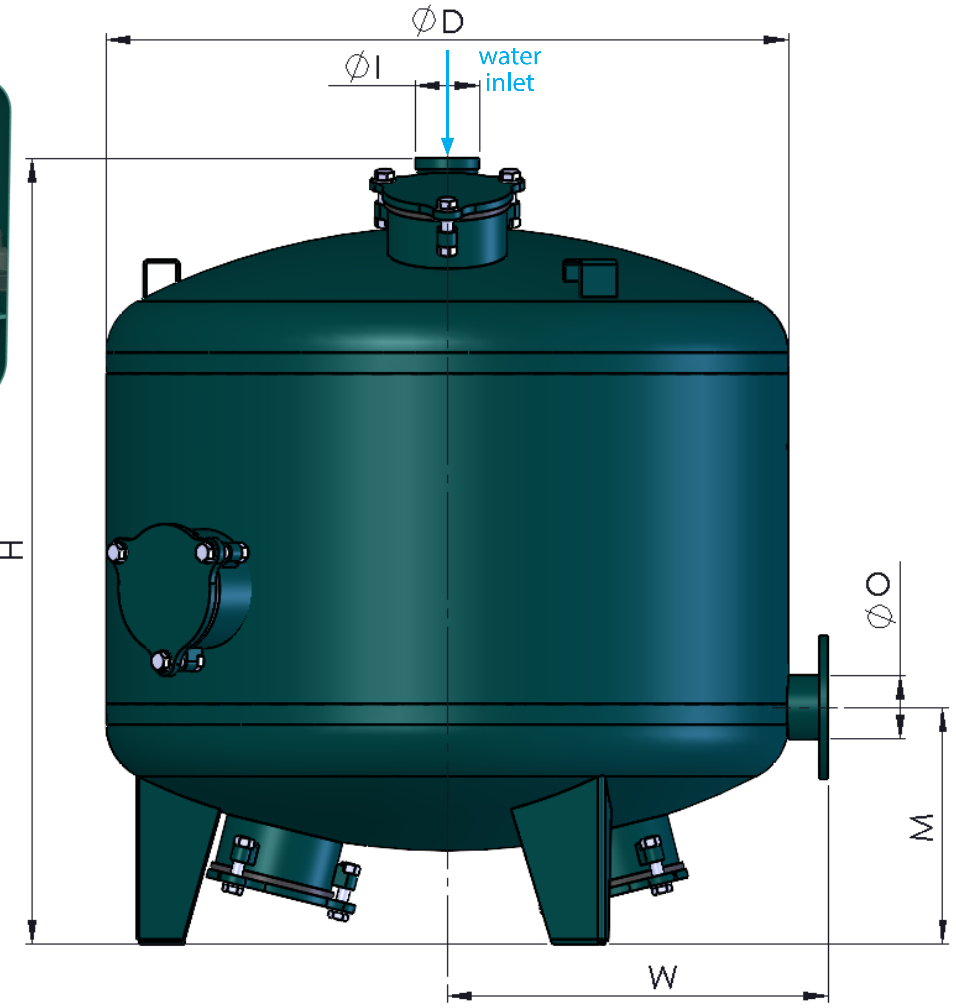
MODEL	ØI/ØO	Flows (m³/h)	Filtration Surface (cm²)	Net Weight (kg)	Filter opening	Dimensions (mm)			
		Mesh Cartridge (Drip)				ØD	L	H	W
FY-EC-2"-M	Male Thread 2"	39	1500	12	Wing Nut	165	450	503	672
FY-EC-3"-M	Flange 3"	57	2006	21	Wing Nut	165	495	577	830
FY-EC-4"-M	Flange 4"	66	3160	38	Screws	220	695	710	1139
FY-EC-5"-M	Flange 5"	66	3160	39	Screws	220	695	685	1005
FY-EC-6"-M	Flange 6"	120	5579	66	Screws	323	725	924	990

Manufacturing technical characteristics :

- Materials:
  - Carbon steel metal components.
  - Zinc plated screws 6.8.
  - Mesh cartridge : PVC structure with AISI-316 Stainless Steel.
  - Filtration degree : 125 microns.
  - Grinding cartridge: AISI-304 Stainless Steel. Ø2 mm pass.
  - EPDM gaskets: 60 SHORE.
- Superficial treatment
  - Surface shot blasting up to SA ½ grade.
  - Two-layer EPOXY-POLYESTER powder paint finish, oven-polymerized RAL 6004.
- Working characteristics
  - Maximum operating temperature 50ºC.

Nozzle Sand Filter (FCR)

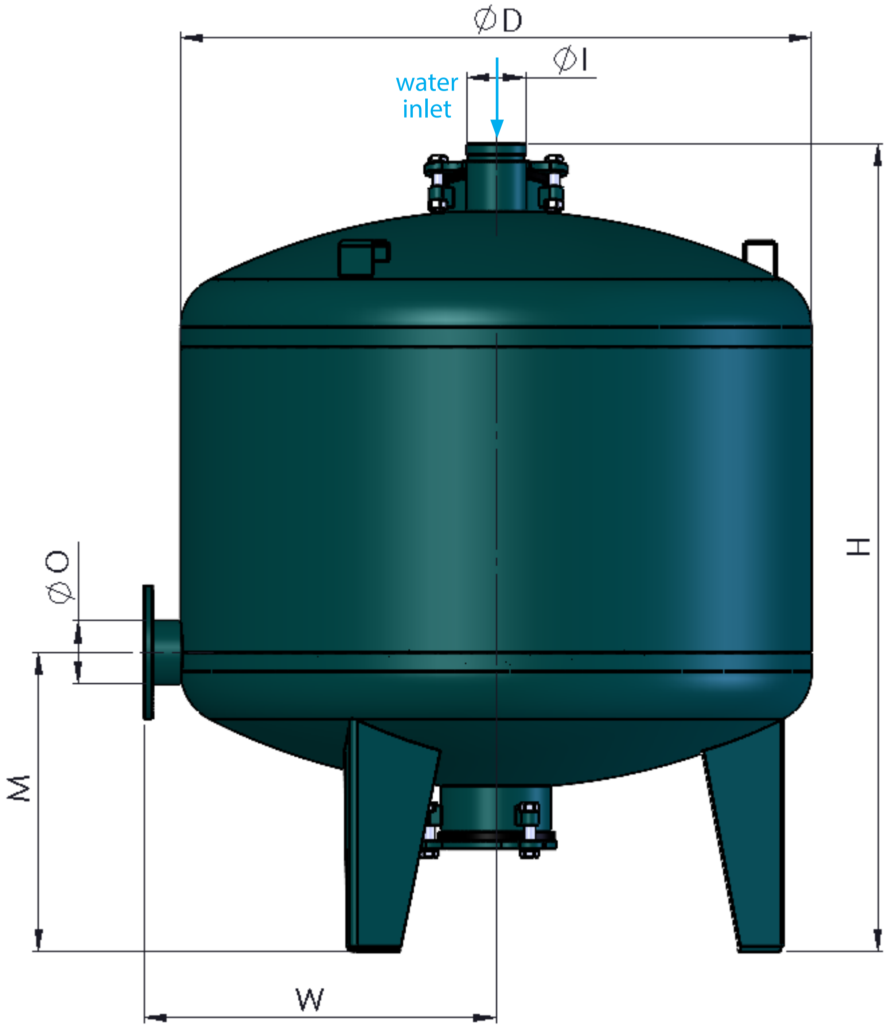




Working
pressure
8kg/cm²

MODEL	Dimensions (mm)			
	ØD	H	M	W
FCR-500 (2" - FT/FT)	500	900	350	286
FCR-700 (2" - V/FT)	700	940	350	396
FCR-900 (3" - F/F)	900	1095	330	530
FCR-950 (3" - V/F)	950	1095	330	530
FCR-1200 (4" - F/F)	1200	1128	375	665
FCR-1200 (4" - V/F)	1200	1128	375	665

Arm Sand Filter (FBR)



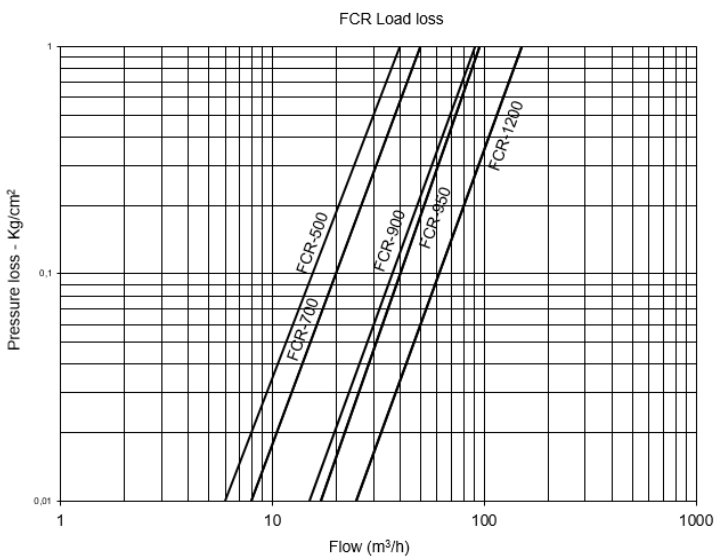
Working
pressure
8kg/cm²

MODEL	Dimensions (mm)			
	ØD	H	M	W
FBR-500 (1-½" - H/H)	500	900	350	286
FBR-700 (2" - V/H)	700	940	350	396
FBR-950 (3" - V/B)	950	1215	450	530
FBR-1200 (4" - V/B)	1200	1215	450	665

Nozzle Sand Filter (FCR)

Manufacturing technical characteristics:

- Materials:
  - Carbon steel metal components.
  - Zinc plated screws 6.8.
  - EPDM gaskets: 60 SHORE.
- Superficial treatment:
  - Surface shot blasting up to SA ½ grade.
  - Two-layer EPOXY-POLYESTER powder paint finish, oven-polymerized RAL 6004.
- Working characteristics:
  - Maximum operating temperature 50ºC.



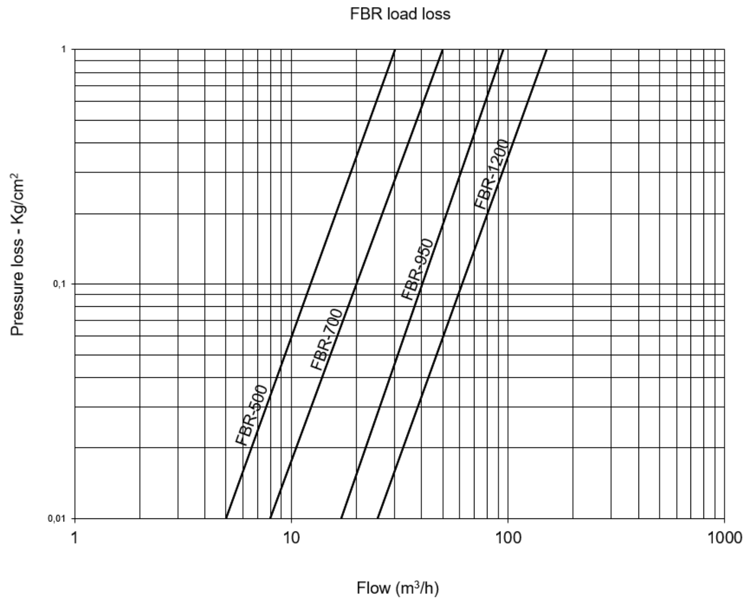
Nozzle Sand Filter(FCR) Flow-Head loss curve

MODEL	ØI	ØO	Flows (m^3/h)					Filtration Surface (cm²)	Net Weight (kg)	Sand (kg)
			Q máx.	< 50ppm	50/100ppm	100/200ppm	Backwashing			
FCR-500 (2" –FT/FT)	Female Thread 2"	Female Thread 2"	18	9	6	4	10	1963	43	80
FCR-700 (2" - V/FT)	Victaulic 2"	Female Thread 2"	26	13	8	5,5	15	3848	88	150
FCR-900 (3" – F/F)	Flange 3" (4 Holes)	Flange 3" (4 Holes)	44	25	15	10	24	6362	182	300
FCR-950 (3" - V/F)	Victaulic 3" (4 Holes)	Flange 3" (4 Holes)	46	26	16	11	28	7088	194	375
FCR-1200 (4" – F/F)	Flange 4" (4 Holes)	Flange 4" (4 Holes)	76	36	20	15	45	11310	246	550
FCR-1200 (4" - V/F)	Victaulic 4"	Flange 4" (8 Holes)	76	36	20	15	45	11310	246	550

Arm Sand Filter (FBR)

Manufacturing technical characteristics:

- Materials:
  - Carbon steel metal components.
  - Zinc plated screws 6.8.
  - EPDM gaskets: 60 SHORE.
- Superficial treatment:
  - Surface shot blasting up to SA ½ grade.
  - Two-layer EPOXY-POLYESTER powder paint finish, oven-polymerized RAL 6004.
- Working characteristics:
  - Maximum operating temperature 50ºC.



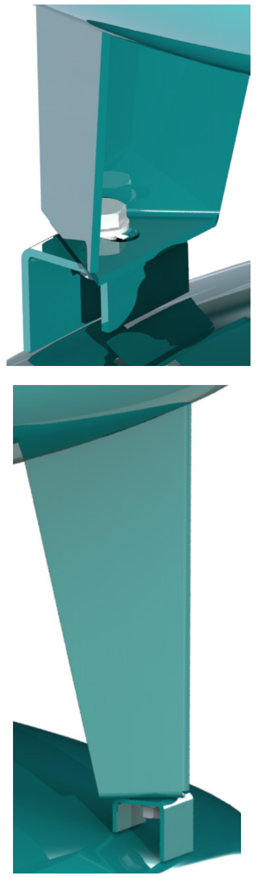
Arm Sand Filter(FBR) Flow-Head loss curve

MODEL	ØI	ØO	Flows (m^3/h)					Filtration Surface (cm²)	Net Weight (kg)	Sand (kg)
			Q máx.	< 50ppm	50/100ppm	100/200ppm	Backwashing			
FBR-500 (1-½" - H/H)	Female Thread 1 - ½ "	Female Thread 1 - ½ "	16	8	5	3,5	500 - 7	1963	43	100
FBR-700 (2" - V/H)	Victaulic 2"	Female Thread 2"	26	13	8	5,5	700 - 15	3848	61	225
FBR-950 (3" - V/B)	Victaulic 3"	Flange 3"	46	26	16	11	950 - 28	7088	126	500
FBR-1200 (4" - V/B)	Victaulic 4"	Flange 4"	76	36	20	15	1200 - 45	11310	176	800

Transport and Storage for Sand Filter

Storage

Transport



Connection detail

ITM FILTERS has developed and registered a storage and transport system for sand filters.
The system consists of stacking the filters by means of three upper supports which at the same time are used to lift the filters.
This system provides two main advantages:

- Reduction of emissions generated by excess packaging.
- Optimization of space during storage.

Modular Compact Sand Filter

MANUAL MODULAR COMPACT

Manual media filters + Manual Mesh filters

Code		Description	Q máx. (m^3/h)
4063001700	COMP. MANUAL-01	1 FBR-700 + 1 FY-2-M – Line	26
4063001950	COMP. MANUAL-02	1 FBR-950 + 1 FY-3-M – Line	46
4063002700	COMP. MANUAL-03	2 FBR-700 + 1 FY-3-M – Line	52
4063002950	COMP. MANUAL-04	2 FBR-950 + 1 FY-4-220-M – Line	96

SEMI-AUTO MODULAR COMPACT

Automatic media filters + Manual Mesh filters

Code		Description	Q máx. (m^3/h)
4064002700	COMP. SEMI-AUTO-01	2 FBR-700 + 1 FY-3-M - Line	52
4064002950	COMP. SEMI-AUTO-02	2 FBR-950 + 1 FY-4-220-M – Line	96
4064002120	COMP. SEMI-AUTO-03	2 FBR-1200 + 1 FY-6-M - Line	152
4064003950	COMP. SEMI-AUTO-04	3 FBR-950 + 3 FY-3-M - Paralelo	138
4064003120	COMP. SEMI-AUTO-05	3 FBR-1200 + 3 FY-4-220-M - Paralelo	228
4064004950	COMP. SEMI-AUTO-06	4 FBR-950 + 4 FY-3-M - Paralelo	184

AUTOMATIC MODULAR COMPACT

Automatic media filters + Automatic Mesh filters

Code		Description	Q máx. (m^3/h)
4065002700	COMP. AUTO-01	2 FBR-700 + 1 HYD-103-V - Line	26
4065002950	COMP. AUTO-02	2 FBR-950 + 1 HYD-104-V - Line	96
4065002120	COMP. AUTO-03	2 FBR-1200 + 1 HYD-106-V - Line	152
4065003950	COMP. AUTO-04	3 FBR-950 + 1 HYD-106-V - Line	138
4065004950	COMP. AUTO-05	4 FBR-950 + 2 HYD-104-V - Batery	184
4065006950	COMP. AUTO-06	6 FBR-950 + 2 HYD-106-V - Batery	276
4065003120	COMP. AUTO-07	3 FBR-1200 + 1 HYD-106-V - Line	228
4065004120	COMP. AUTO-08	4 FBR-1200 + 2 HYD-106-V - Batery	304
4065006120	COMP. AUTO-09	6 FBR-1200 + 3 HYD-106-V - Batery	456
4065008120	COMP. AUTO-10	8 FBR-1200 + 4 HYD-106-V - Batery	608

FILTERS EQUIPMENT MANUAL

Filters, Manifolds, 1-2mm filter sand, Support Legs, Manual Valves, Suction Cups, Pressure Gauges, Gaskets and Screws. Pipes for cleaning water drain lines are not included.

AUTOMATIC OR SEMI FILTER EQUIPMENT

Filters, 1-2mm filter sand, Electro valves, Manifolds, Support Legs, Butterfly Valves, 9 volts Programmer with integrated pressure switch, Suction Cups, Pressure Gauges, Gaskets and Screws. Pipes for cleaning water Drain lines are not included.

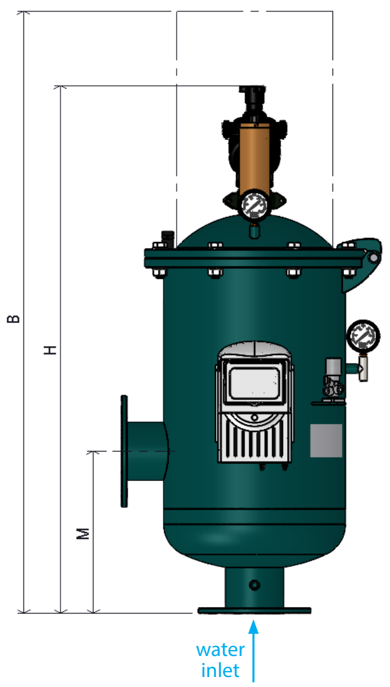
Vertical Self-Cleaning Mesh Filter

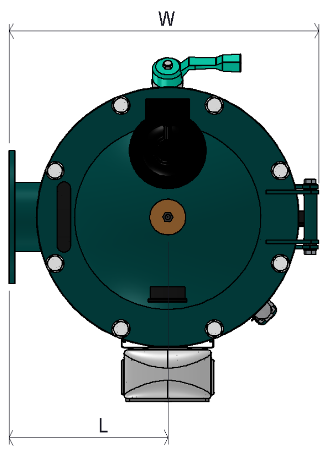
Easy maintenance

Working pressure
min: 2,5kg/cm²
máx: 10kg/cm²

Hydraulic cylinder drive

¡¡ EXCLUSIVE !!



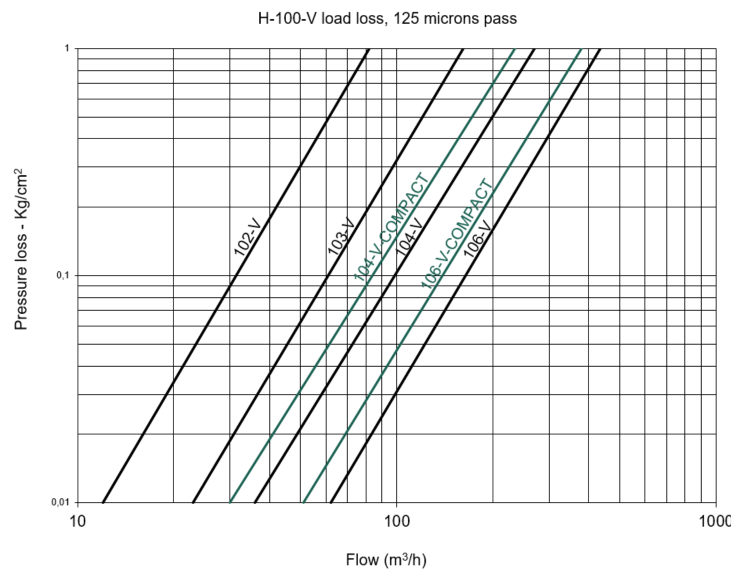


MODEL	Dimensions (mm)					General Data			
	M	L	H	W	B	Nozzle Units	Auto Flushing Valve	Manual Exhaust Valve	Wash Time (s)
HYDRAULIC 102-V	250	220	1100	430	1163	3	1"	1"	20
HYDRAULIC 103-V	250	220	1100	430	1163	3	1-½"	1"	20
HYDRAULIC 104-V-COMPACT	250	220	1100	430	1163	3	1-½"	1"	20
HYDRAULIC 104-V	320	260	1040	520	1470	2	2"	1-½"	20
HYDRAULIC 106-V-COMPACT	320	260	1040	520	1470	2	2"	1-½"	20
HYDRAULIC 106-V	470	260	1327	520	1770	4	2"	1-½"	20

Hydraulic - serie 100 - V

Manufacturing technical characteristics:

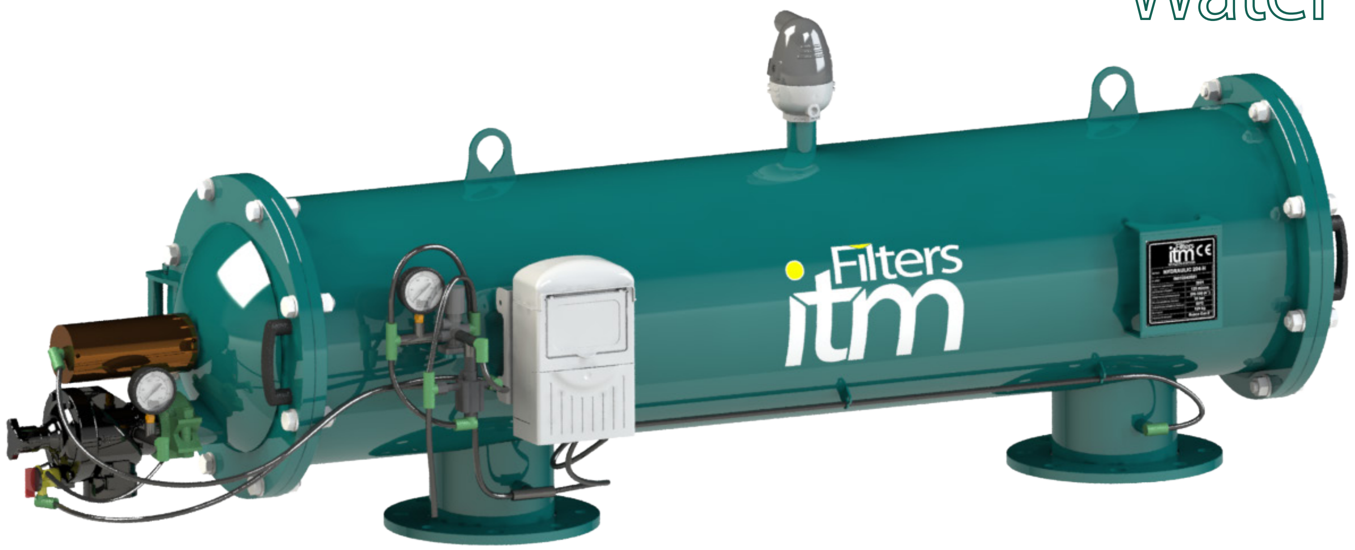
- Materials:
  - Carbon steel metal components.
  - Zinc plated screws 6.8.
  - Mesh cartridge: Plastic structure with AISI-316 Stainless Steel.
  - Filtration degree: 125 microns.
  - Grinding cartridge: AISI-304 Stainless Steel.
  - EPDM gaskets: 60 SHORE.
- Superficial treatment:
  - Surface shot blasting up to SA ½ grade.
  - Two-layer EPOXY-POLYESTER powder paint finish, oven-polymerized RAL 6004.
- Working characteristics:
  - Maximum operating temperature 50ºC.
- Commercial components:
  - 1'' Washing Valve in 2'' filters
  - 1-½'' Flushing Valve in 3'' and 4'' filters.
  - 2'' Washing Valve in 6'' filters.
  - Battery powered programmer.



Vertical Self-Cleaning Mesh Filter Flow-Head loss curve

MODEL	ØI/ØO	Flows (m^3/h)					Filtration Surface (cm²)	Water Comsuption per Wash (l)	Net Weight (kg)
		Max. Flow	< 50ppm	50/100 ppm	100/200 ppm	Min. Flow			
HYDRAULIC 102-V	Flange 2"	53	26	19	11	1,3	1620	5	38
HYDRAULIC 103-V	Flange 3"	92	53	32	22	2,2	1620	12	48
HYDRAULIC 104-V-COMPACT	Flange 4"	133	65	45	25	2,2	1620	12	50
HYDRAULIC 104-V	Flange 4"	155	73	53	27	2,7	2900	14,5	63
HYDRAULIC 106-V-COMPACT	Flange 6"	195	86	65	42	2,7	2900	14,5	65
HYDRAULIC 106-V	Flange 6"	285	93	73	52	5,3	5725	29	87

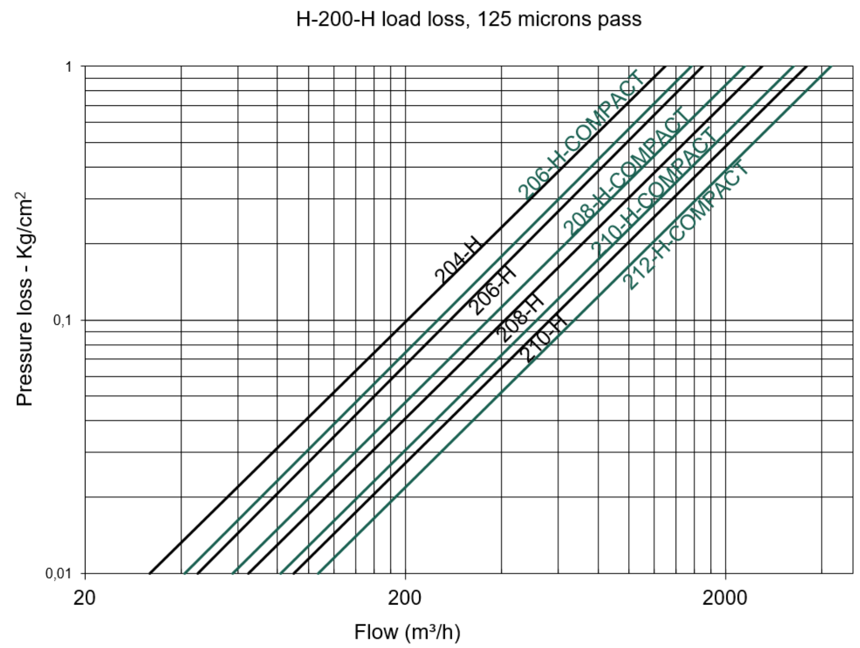
¡¡ EXCLUSIVE DESIGN !!



Working pressure
min: 2,5kg/cm²
máx: 10kg/cm²

MODEL	ØI/ØO	Flows (m³/h)					Filtration Surface (cm²)	Water Comsuption per Wash (l)	Net Weight (kg)
		Max. Flow	< 50ppm	50/100 ppm	100/200 ppm	Min. Flow			
HYDRAULIC 204-H	Flange 4"	205	93	76	57	9	5725	50	129
HYDRAULIC 206-H-COMPACT	Flange 6"	250	133	105	80	9	5725	50	132
HYDRAULIC 206-H	Flange 6"	275	163	123	92	20	8528	109	140
HYDRAULIC 208-H-COMPACT	Flange 8"	360	220	160	125	20	8528	109	143
HYDRAULIC 208-H	Flange 8"	415	253	194	142	33	11330	180	163
HYDRAULIC 210-H-COMPACT	Flange 10"	510	295	240	123	33	11330	180	167
HYDRAULIC 210-H	Flange 10"	585	323	273	195	43	14135	235	177
HYDRAULIC 212-H-COMPACT	Flange 12"	645	355	300	215	43	14135	235	181

¡¡ EXCLUSIVE DESIGN !!



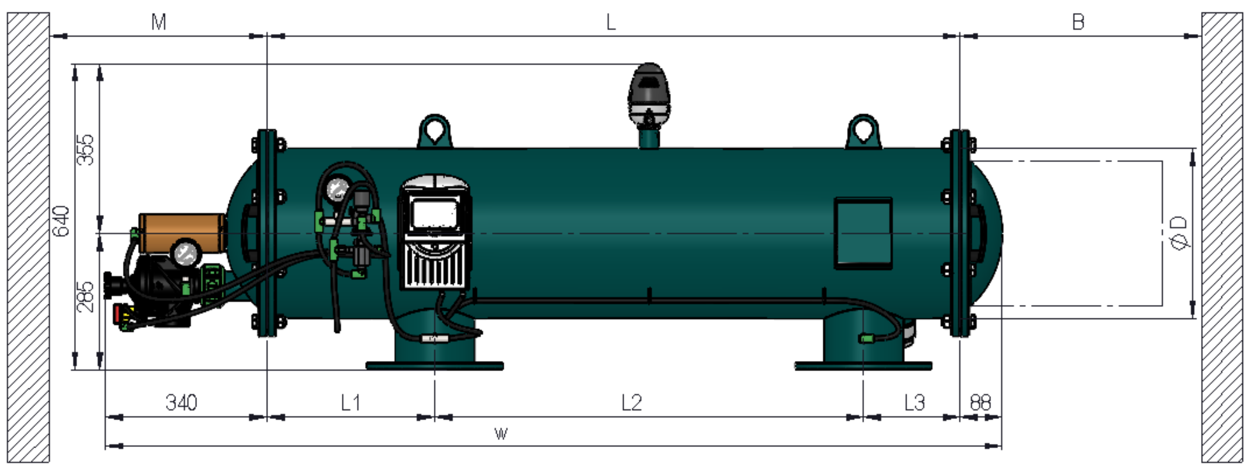
Horizontal Self-Cleaning Mesh Filter
Flow-Head loss curve

Horizontal Self-Cleaning Mesh Filter

¡¡EXCLUSIVE DESIGN!!

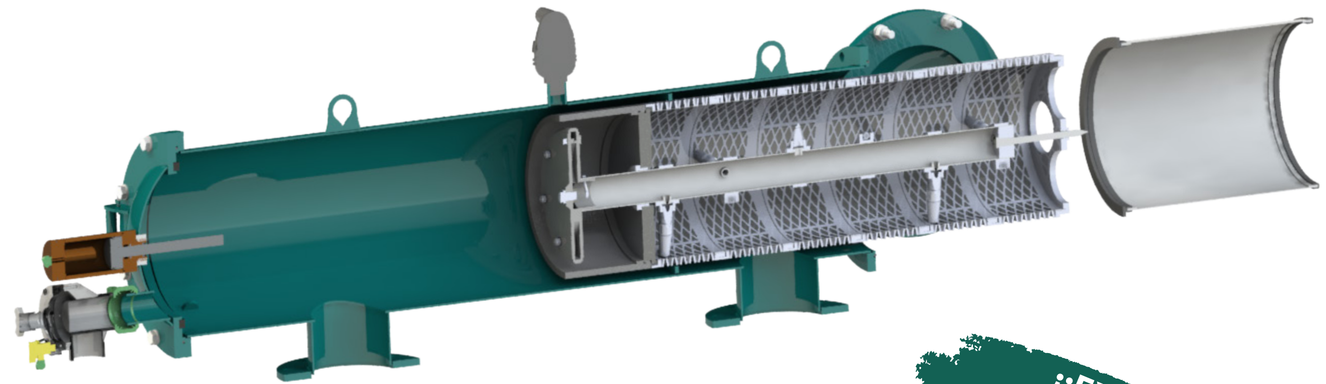
Manufacturing technical characteristics:

- Materials:
  - Carbon steel metal components.
  - Zinc plated screws 6.8.
  - Mesh cartridge: Plastic structure with AISI-316 Stainless Steel.
  - Filtration degree: 125 microns.
  - Grinding cartridge: AISI-304 Stainless Steel.
  - EPDM gaskets: 60 SHORE.
- Superficial treatment:
  - Surface shot blasting up to SA ½ grade.
  - Two-layer EPOXY-POLYESTER powder paint finish, oven-polymerized RAL 6004.
- Working characteristics:
  - Maximum operating temperature 50ºC.
- Commercial components:
  - 1'' Suction Cup and 2'' Flushing Valve.
  - Battery powered programmer.

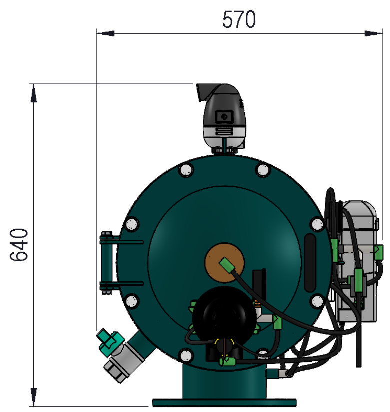


MODEL	Dimensions (mm)								General Data			
	ØD	L	L1	L2	L3	W	M	B	Nozzle Units	Auto Flushing Valve	Manual Exhaust Valve	Wash Time (s)
HYDRAULIC 204-H	355	1170	197	770	203	1580	400	1015	4	2''	1-½"	30
HYDRAULIC 206-H-COMPACT	355	1170	197	770	203	1580	400	1015	4	2''	1-½"	30
HYDRAULIC 206-H	355	1455	352	900	203	1865	400	1300	6	2''	1-½"	30
HYDRAULIC 208-H-COMPACT	355	1455	352	900	203	1865	400	1300	6	2''	1-½"	30
HYDRAULIC 208-H	355	1741	438	1100	203	2150	400	1585	8	2''	1-½"	30
HYDRAULIC 210-H-COMPACT	355	1741	438	1100	203	2150	400	1585	8	2''	1-½"	30
HYDRAULIC 210-H	355	2027	446	1370	211	2435	400	1870	10	2''	1-½"	30
HYDRAULIC 212-H-COMPACT	355	2027	446	1370	211	2435	400	1870	10	2''	1-½"	30

Hydraulic - serie 200 - H



¡¡EXCLUSIVE DESIGN!!



EASY MAINTENANCE
One-sided assembly and disassembly

MAXIMUM filtration surface cartridge

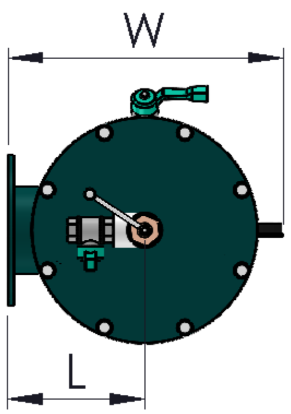
Stainless steel roughing PRE-FILTER

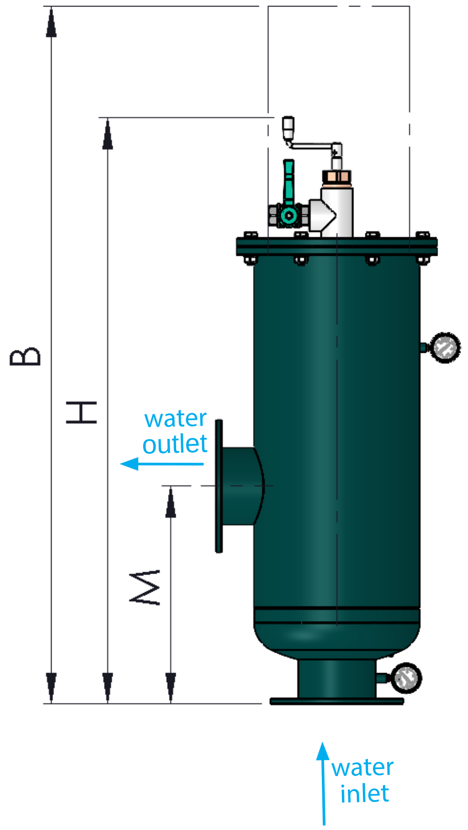
Hydraulic cylinder drive

Semi-Automatic Mesh Filter

NEW

Working pressure
min: 2,5kg/cm²
máx: 10kg/cm²





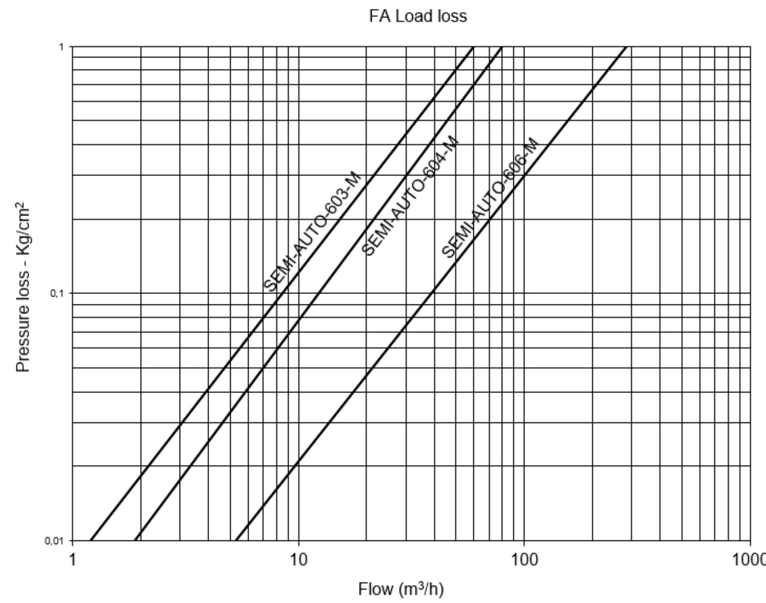
MODEL	Dimensions (mm)					General Data			
	M	L	H	W	B	Nozzle Units	Flushing Valve	Exhaust Valve	Wash Time (s)
SEMI-AUTO 603-M	300	220	870	500	1100	1	1"	1"	20
SEMI-AUTO 604-M	300	260	870	500	1100	1	1"	1"	20
SEMI-AUTO 606-M	470	260	1320	500	1550	4	2"	1-½"	20

Semi-Auto-Serie-600-M

NEW

Manufacturing technical characteristics:

- Materials:
  - Carbon steel metal components.
  - Zinc plated screws 6.8.
  - Mesh cartridge: Plastic structure with AISI-316 Stainless Steel.
  - Filtration degree: 125 microns.
  - EPDM gaskets: 60 SHORE.
- Superficial treatment:
  - Surface shot blasting up to SA ½ grade.
  - Two-layer EPOXY-POLYESTER powder paint finish, oven-polymerized RAL 6004.
- Working characteristics:
  - Maximum operating temperature 50ºC.



Semi-Automatic Mesh Filter Flow-Head loss curve

MODEL	ØI/ØO	Flow (m3/h)					Filtration Surface (cm²)	Water Comsuption per Wash *(l)*	Net Weight (kg)
		Max. Flow	< 50ppm	50/100 ppm	100/200 ppm	Min. Flow			
SEMI-AUTO 603-M	Flange 3"	62	28	21	9	1,2	1450	6	53
SEMI-AUTO 604-M	Flange 4"	78	37	27	14	1,9	1450	7,3	55
SEMI-AUTO 606-M	Flange 6"	285	93	73	52	5,3	5725	29	78

SEMI-AUTOMATIC MESH FILTERS

Hydrocyclone Separator (HID)

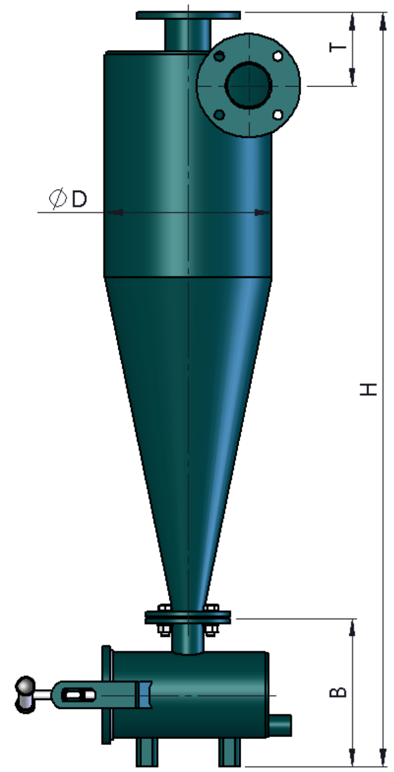
Great capacity

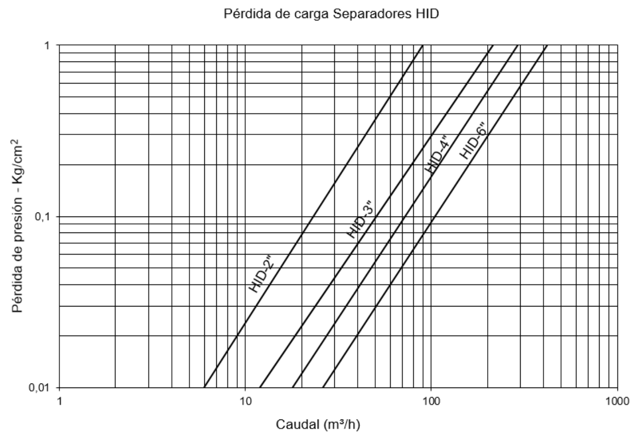
Independent accumulator tank

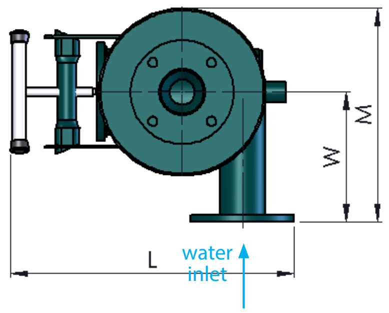
Easy maintenance

Working pressure 10kg/cm²

The hydrocyclone effect occurs for nominal flow values





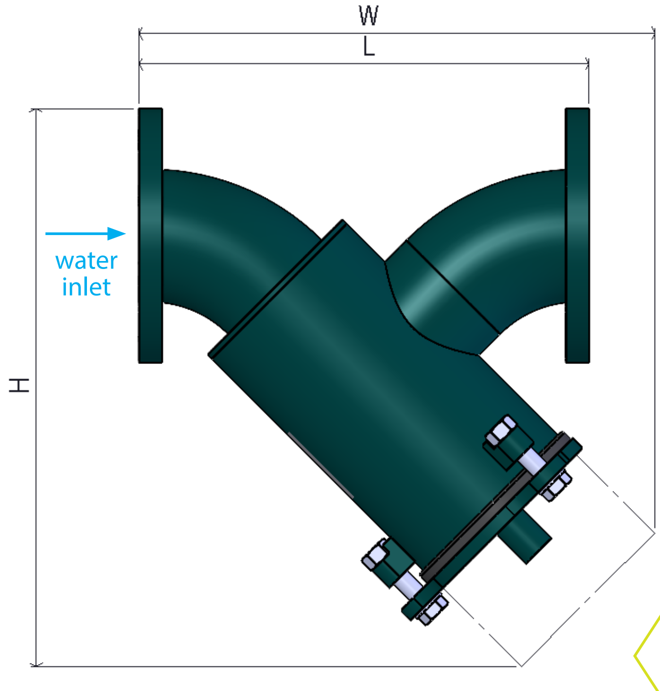


MODEL	ØI/ØO	Flow (m^3/h)	Net Weight (kg)	Dimensions (mm)						
				H	ØD	W	M	L	B	T
HID - 2" Thread	Male Thread 2"	24	34	1130	220	250	360	533	285	141
HID - 3"	Flange 3"	51	54	1454	323	250	412	550	285	141
HID - 4"	Flange 4"	74	124	1666	406	290	494	590	285	151
HID - 6"	Flange 6"	119	176	1850	610	600	910	980	600	290

Manufacturing technical characteristics:

- Materials:
  - Carbon steel metal components.
  - Zinc plated screws 6.8.
  - EPDM gaskets: 60 SHORE.
- Superficial treatment:
  - Surface shot blasting up to SA ½ grade.
  - Two-layer EPOXY-POLYESTER powder paint finish, oven-polymerized RAL 6004.
- Working characteristics
  - Maximum operating temperature 50ºC.

Y Pattern Strainer (FCY)



Filtering Cartridge

Stainless Steel

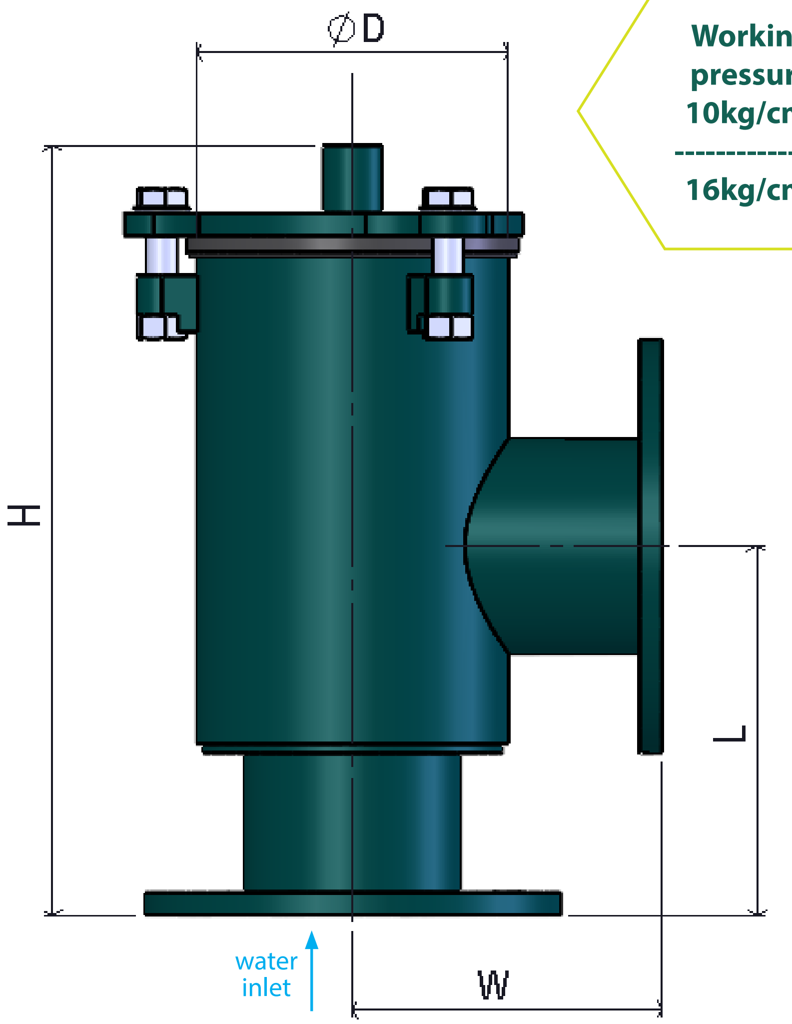
Bypass Ø 4mm.

Working pressure 10kg/cm²

16kg/cm²

MODEL	ØI/ØO	Filtration Surface (cm²)	Net Weigh t (kg)	Dimensions (mm)			
				ØD	L	H	W
FCY-2-R"	Male Thread 2"	590	9	165	350	330	400
FCY-3"	Flange 3"	795	18	165	325	485	445
FCY-4"	Flange 4"	1020	19	165	390	585	550
FCY-5"	Flange 5"	1500	26	220	510	770	736
FCY-6"	Flange 6"	1530	36	220	590	750	715
FCY-8"	Flange 8"	2700	65	323	700	965	935
FCY-10"	Flange 10"	4800	103	406	915	1145	1120
FCY-12"	Flange 12"	6200	117	406	1025	1340	1316
FCY-14"	Flange 14"	7250	178	457	1150	1565	1515
FCY-16"	Flange 16"	10150	435	608	1500	1795	1775
FCY-20"	Flange 20"	14800	639	710	1700	2050	2050
FCY-24"	Flange 24"	18550	1035	812	2000	2480	2480
FCY-32"	Flange 32"	41800	1545	1220	2700	3685	3625

L Pattern Strainer (FCL)



Working pressure
10kg/cm²

16kg/cm²

Filtering Cartridge

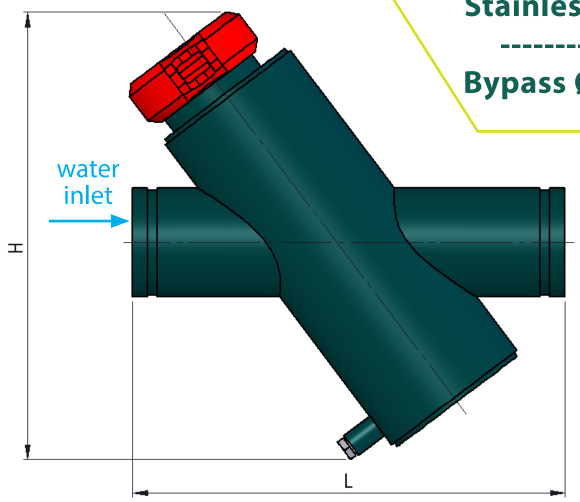
Stainless Steel

Bypass Ø 4mm.

MODEL	ØI/ØO	Filtration Surface (cm²)	Net Weight (kg)	Dimensions (mm)			
				ØD	L	H	W
FCL-2"	Male Thread 2"	590	9	165	138	273	138
FCL-3"	Flange 3"	795	14	165	192	353	164
FCL-4	Flange 4"	1020	16	165	196	410	164
FCL-5"	Flange 5"	1500	19	220	265	525	200
FCL-6"	Flange 6"	1530	27	220	250	475	200
FCL-8"	Flange 8"	2700	49	323	300	590	250
FCL-10"	Flange 10"	4895	71	406	380	785	300
FCL-12"	Flange 12"	5895	93	406	400	785	300

X Pattern Strainer (FCX)

FCX - Horizontal



Filtering Cartridge

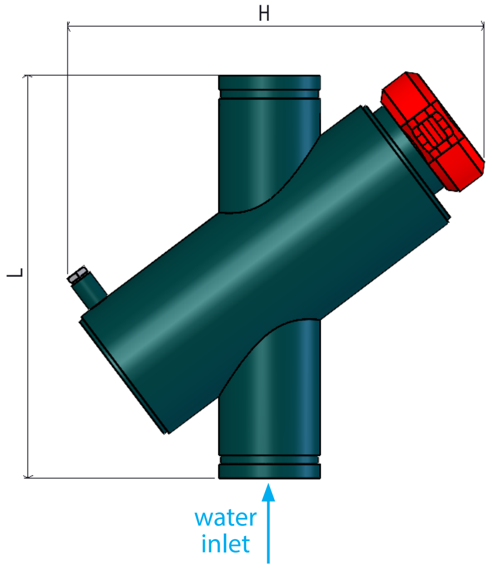
Stainless Steel

Bypass Ø 3mm

Working pressure
10kg/cm²

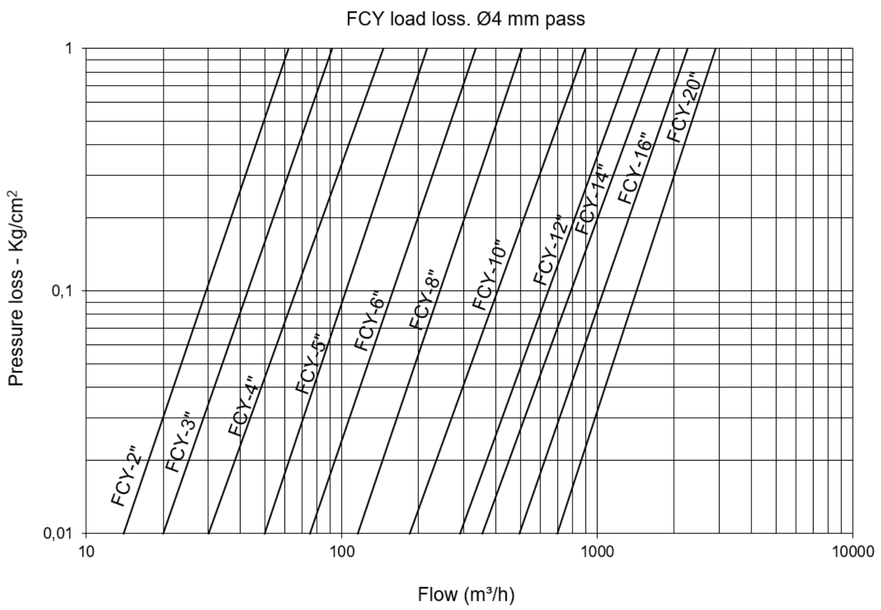
16kg/cm²

FCX - Vertical

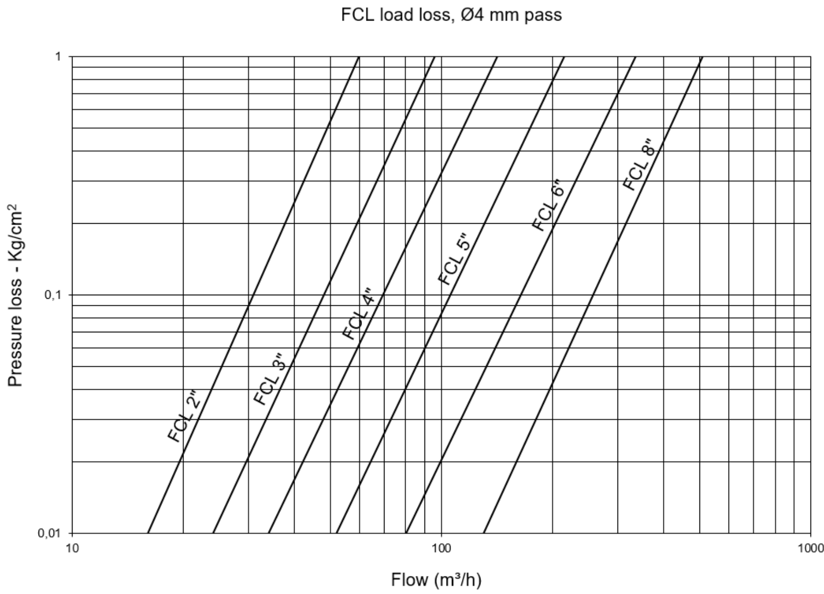


MODEL	ØI/ØO	Filtration Surface (cm²)	Net Weight (kg)	Dimensions (mm)	
				L	H
FCX-2" - H	Male Thread 2"	1390	18	400	470
FCX-3" - H	Flange 3"	1390	21	400	470
FCX-4" - H	Flange 4"	1390	25	450	470
FCX-6" - H	Flange 6"	2760	31	670	630
FCX-8" - H	Flange 8"	4860	56	885	795
FCX-10" - H	Flange 10"	4860	61	900	795
FCX-2" - V	Male Thread 2"	1390	18	400	470
FCX-3" - V	Flange 3"	1390	21	400	470
FCX-4" - V	Flange 4"	1390	25	450	470
FCX-6" - V	Flange 6"	2760	31	670	630
FCX-8" - V	Flange 8"	4860	56	885	795
FCX-10" - V	Flange 10"	4860	61	900	795

Load loss Hydrant protection filter

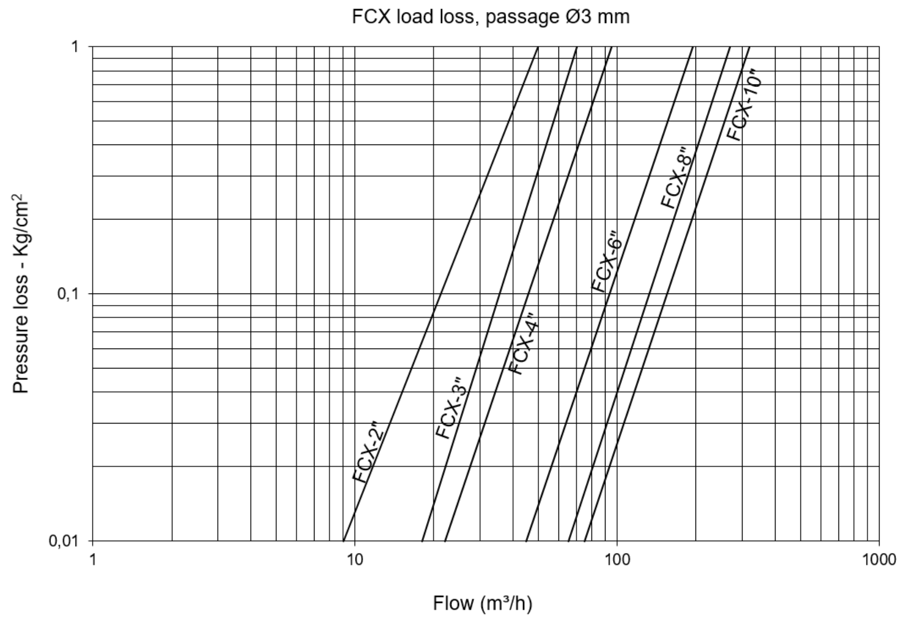


Y Pattern Strainer (FCY) Flow-Head loss curve



L Pattern Strainer (FCL) Flow-Head loss curve

Load loss Hydrant protection filter



X Pattern Strainer (FCX) Flow-Head loss curve

Manufacturing technical characteristics:

- Materials:
  - Carbon steel metal components.
  - Zinc plated screws 6.8.
  - Grinding cartridge: Stainless Steel AISI-304. Ø3 mm pass (FCX), Ø4 mm pass (FCL and FCY)
  - EPDM gaskets: 60 SHORE.
- Superficial treatment:
  - Surface shot blasting up to SA ½ grade.
  - Two-layer EPOXY-POLYESTER powder paint finish, oven-polymerized RAL 6004.
- Working characteristics:
  - Maximum operating temperature 50ºC.

HYDRANT PROTECTION FILTERS

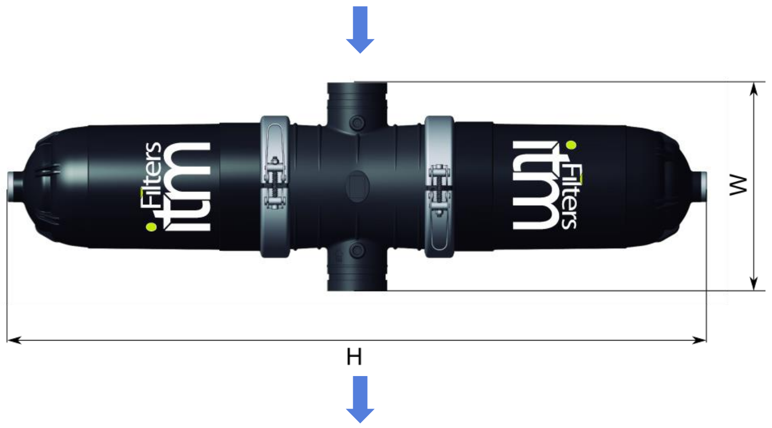
MANUAL DISC FILTERS

NEW

Working pressure
min: 2,5kg/cm²
máx: 10kg/cm²

MODEL	ØI/ØO	Flows (m³/h) 130 Microns Disc				Efective Filtration Surface (cm²)	Dimensions (mm)			Net Weight (Kg)
		Max. Flow	< 50ppm	50/100 ppm	100/150 ppm		H	W	L	
DF-2''- SS	Victaulic 2''	31	23	15	9	989	535	310	135	5,4
DF-2''-SL	Victaulic 2''	45	37	24	20	1855	728	310	135	7,5
DF-3''-SL	Victaulic 3''	52	47	31	19	1855	750	310	147	7,5

Working pressure
min: 2,5kg/cm²
máx: 10kg/cm²



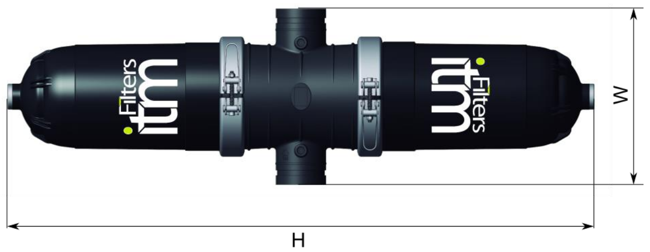
MODEL	ØI/ØO	Flows (m³/h) 130 Microns Disc				Efective Filtration Surface (cm²)	Dimensions (mm)			Net Weight (Kg)
		Max. Flow	< 50ppm	50/100 ppm	100/150 ppm		H	W	L	
DF-3''-DS	Victaulic 3''	73	69	44	26	3709	1021	310	-	12
DF-3''-DL	Victaulic 3''	81	77	50	29	2739	1220	310	-	12,3
DF-4''-DS	Victaulic 4''	108	102	65	38	3709	1047	330	-	12
DF-4''-DL	Victaulic 4''	115	112	72	42	2739	1234	330	-	12,3

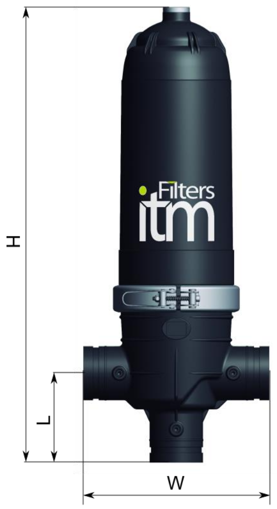
Disc Filter-Serie-(DF-D) / (SF-S)

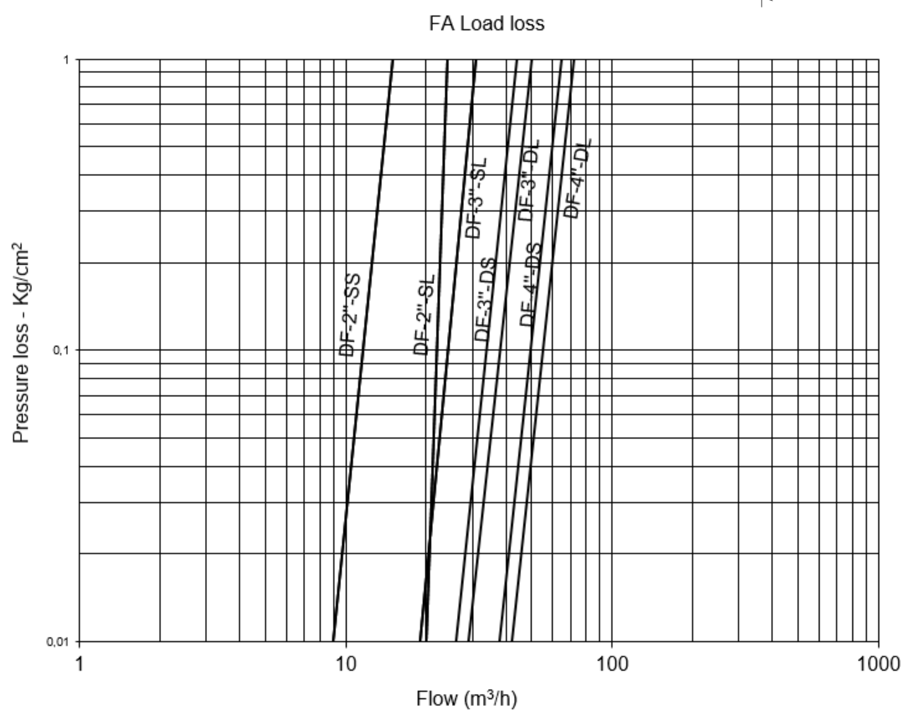
NEW

Manufacturing technical characteristics:

- Materials:
  - Body injected in reinforced polyamide.
  - Clamp : AISI 304 stainless steel or PAFV (Polyamide reinforced with glassfiber).
  - Cartridge : PP (Polipropilene) disc.
  - Filtration degree : 130 microns. Available in : 25, 50, 100, 130 and 200 microns.
- Working characteristics:
  - Maximum operating temperature60ºC.







Disc Filter Flow-Head loss curve

Accessories and spare parts

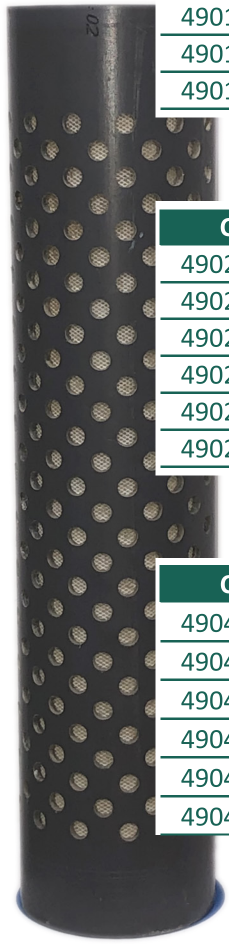
CODE	SPARE PARTS SAND FILTERS
L061000024	ARM COLECTOR SET FBR-500
L061000025	ARM COLECTOR SET FBR-700
L061000026	ARM COLECTOR SET FBR-950
L061000027	ARM COLECTOR SET FBR-1200
L061000020	ARM HOLDER PIPE FBR-500
L061000021	ARM HOLDER PIPE FBR-700
L061000022	ARM HOLDER PIPE FBR-950
L061000023	ARM HOLDER PIPE FBR-1200
L061000003	COLLECTOR ARM L=110
L061000002	COLLECTOR ARM L=160
L061000001	COLLECTOR ARM L=225
L061000005	CUFF LINK
L061000004	ARM EXTENSION 1’’ L=100
A117000007	SAND FILTER GASKET
L061000015	NOOZLE
L011000002	KG SAND FROM 1,2 TO 2MM

CODE	SPARE PARTS HYDRAULIC 200-H FILTER
E031000001	PROGRAMMER OF BATTERIES
V011000001	SOLENOID
V011000002	HYDRAULIC RELAY
5AC2000030	FITTINGS KIT HYDRAULIC 200-H
5AC2000031	CYLINDER GASKET KIT HYDRAULIC 200-H
V031000003	VALVE HYDRAULIC 200-H
A117000014	O-RING SIDE CAP HYDRAULIC 200-H
A117000023	FILTER CARTRIDGE GASKET KIT HYDRAULIC 200-H
5AC2000005	NOZZLE HYDRAULIC 200-H
5802000004	FILTER CARTRIDGE 204-H
5802000006	FILTER CARTRIDGE 206-H
5802000008	FILTER CARTRIDGE 208-H
5802000010	FILTER CARTRIDGE 210-H

CODE	OTHER SPARE PARTS
I041000001	PRESSURE GAUGE 0-10
V089000002	AIR VALVE 1"
4VA000003	MOTH FY/FL
4VA000004	CROSS BAR FY/FL

ITM Filters SERVICE

Accessories and spare parts



CODE	SPARE PARTS METALLIC FILTERS - DRIP
4901000002	MESH CARTRIDGE-DRIP FY-FL-FYEC-2"
4901000003	MESH CARTRIDGE-DRIP FY-FL-FYEC-3"
4901000004	MESH CARTRIDGE-DRIP FY-FL-4"-165
4901000005	MESH CARTRIDGE-DRIP FY-FL-FYEC-4"-FYEC-220 Y 5"
4901000006	MESH CARTRIDGE-DRIP FY-FL-6"
4901000007	MESH CARTRIDGE-DRIP FYEC-6"

CODE	SPARE PARTS METALLIC FILTERS - SPRINKLER
4902000002	CARTRIDGE ø2 - SPRINKLER FY-FL-2"
4902000003	CARTRIDGE ø2 - SPRINKLER FY-FL-3"
4902000004	CARTRIDGE ø2 - SPRINKLER FY-FL-4"-165
4902000005	CARTRIDGE ø2 - SPRINKLER FY-FL-4"-220 Y 5"
4902000006	CARTRIDGE ø2 - SPRINKLER FY-FL-6"
4902000007	CARTRIDGE ø2 - SPRINKLER FYEC-6"

CODE	SPARE PARTS HYDRANT PROTECTION FILTERS
4904000002	CARTRIDGE FCY-2" FCL-2"
4904000003	CARTRIDGE FCY-3" FCL-3"
4904000004	CARTRIDGE FCY-4" FCL-4"
4904000005	CARTRIDGE FCY-5" FCL-5"
4904000006	CARTRIDGE FCY-6" FCL-6"
4904000008	CARTRIDGE FCY-8" FCL-8"

CODE	UPPER GASKET	FY	FL	FYEC	FL-PPM	FCY	FCL
A117000002	UPPER GASKET-165	2" 3" 4"-165	2" 3" 4"-165	2" 3"		2" 3" 4"	2" 3" 4"
A117000004	UPPER GASKET-220	4"-220 5"	4"-220 5"	4"-220 5"		5" 6"	5" 6"
A117000005	UPPER GASKET-323	6"	6"	6"	6" 8"	8"	8"

CODE	LOWER GASKET	FY	FL	FYEC	FL-PPM	FCY	FCL
A117000001	LOWER GASKET-165	2" 3" 4"-165	2" 3" 4"-165			2" 3" 4"	2" 3" 4"
A117000003	LOWER GASKET-220	4"-220 5"	4"-220 5"			5" 6"	5" 6"
A117000005	LOWER GASKET-323	6"	6"	6"	6" 8"	8"	8"
A117000021	LOWER GASKET FYEC-165			2" 3"			
A117000022	LOWER GASKET FYEC-220			4"-220 5"			

PRODUCTS

- METALLIC MANUAL FILTERS
- SAND FILTERS
- SELF-CLEANING MESH FILTERS
- SEMI-AUTOMATIC MESH FILTERS
- HYDROCYCLONES
- HYDRANT PROTECTION FILTERS
- MANUAL DISC FILTERS

Post-sale technical assistance

Manufacturing technical characteristics

- Carbon steel metal components s-275-jr (Optional in Stainless Steel)
- APPROVED and guaranteed welding procedures
- EPOXY POLYESTER Paint Coating Processes – Powder RAL – 6004, Polymerized in OVEN at 210ºC. Previous preparation of surfaces by metal blasting according to UNE EN ISO 8501:2008 standard in grade SA 2-½ and protective phosphating.
- Zinc plated screws 6.8.
- EPDM-60 Shore quality sealing JOINTS.

Special and personalized manufacturing

Certifications

Certificado ES14/16432.04

INTRAMESA MZ, S.A.

Pol. Ind. Armentera, parcela 99
22400 Monzón (Huesca)

ha sido evaluado como parte del sistema de gestión de GRUPO MARCO EMPRESARIAL 2010, S.L.
organización certificada en cuanto al cumplimiento de los requisitos de

ISO 9001:2015

Para las siguientes actividades

Fabricación de Calderería Industrial y Estructuras Metálicas, Montaje de Instalaciones y Mantenimientos Industriales, destinados para los Sectores de la Construcción, Agricultura, Ganadería e Industrial.

en/desde los siguientes emplazamientos

Pol. Ind. Armentera, parcela 99 - 22400 Monzón (Huesca)

Válido desde
18 de septiembre de 2020 hasta 13 de septiembre de 2023.
Edición 2.

El presente documento es parte del certificado nº ES14/16432.
La vigencia de este documento queda supeditada a la de este certificado.

ENAC CERTIFICACIÓN Nº 05 / C - SC001

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Certificado ES14/16431.04

INTRAMESA MZ, S.A.

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22400 Monzón (Huesca)

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ISO 14001:2015

Para las siguientes actividades

Fabricación de Calderería Industrial y Estructuras Metálicas, Montaje de Instalaciones y Mantenimientos Industriales, destinados para los Sectores de la Construcción, Agricultura, Ganadería e Industrial.

en/desde los siguientes emplazamientos

Pol. Ind. Armentera parcela 99 - 22400 Monzón (Huesca)

Válido desde
18 de septiembre de 2020 hasta 13 de septiembre de 2023.
Edición 2.

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ENAC CERTIFICACIÓN Nº 07 / C - MA009

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Certificado ES14/16121.04

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22400 Monzón (Huesca)

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organización certificada en cuanto al cumplimiento de los requisitos de

ISO 45001:2018

Para las siguientes actividades

Fabricación de Calderería Industrial y Estructuras Metálicas, Montaje de Instalaciones y Mantenimientos Industriales, destinados para los Sectores de la Construcción, Agricultura, Ganadería e Industrial.

en/desde los siguientes emplazamientos

Pol. Ind. Armentera parcela 99 - 22400 Monzón (Huesca)

Válido desde
18 de septiembre de 2020 hasta 13 de septiembre de 2023.
Edición 2.

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ENAC CERTIFICACIÓN Nº 05 / C - SG049

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Página 1 de 1

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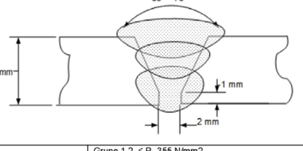
Lloyd's Register	ESPECIFICACIÓN DE PROCEDIMIENTO DE SOLDEO *WELDING PROCEDURE SPECIFICATION (WPS)*	Hoja 1 de 2 *Sheet 1 of 2*
NORMA: EN 15609-1:2004 *STANDARD:*		DESIGNACIÓN: INTRA-01 *Designación:*

EMPRESA: *Company:*	INTRAMESA MZ, S.A.		
DIRECCIÓN: *Address:*	Pol. Ind. La Armentera parc. 99 22400 – Monzón (HUESCA)		
WPS REFERENCIA: *Reference WPS:*	INTRA-01	REVISIÓN: *Revision:*	0
WPQR REFERENCIA: *Reference WPQR:*	PQR-INTRA-01	REVISIÓN: *Revision:*	0

UNIÓN (ES) / *Joint (s):*			
VARIABLES / *Variables*			
PROCESO(S) DE SOLDEO: *Welding process (es):*	135	TIPO UNION: *Joint type:*	BW (A Tope) y FW (Ángulo)
CHAPA O TUBO: *Plate or pipe:*	Chapa / Tubo	RESPALDO: *Backing:*	Uno y Ambos lados. Con y Sin Respaldo y Ambos Lados (bs)

CROQUIS / *Croquis:*



CLASIFICACIÓN METAL BASE: *Parent material clasification:*	Grupo 1.2 $\leq R_e$ 355 N/mm2
RANGO ESPESOR DEL METAL BASE: *Base metal thickness:*	BW: 3 a 20 mm FW: 3 a 20 mm
ESPESOR DEL METAL DE SOLDADURA: *Weld metal thickness:*	BW: hasta 20 mm
RANGO DIÁMETRO TUBERIA: *Pipe diameter range*	≥ 150 mm (PA/PC Rotando) / ≥ 500 mm (Todas las Posiciones)
RANGO GARGANTA SOLDADURA EN ÁNGULO: *Fillet weld troat range:*	Sin Restricción
RANGO ÁNGULO EN RAMIFICACIONES: *Forks angle range:*	---

DESIGNACIÓN MATERIAL APORTACION *Filler metal designation:*	EN ISO 14341-A G 42 3 M21 3Si1 / FM1 / S y similares
FABRICANTE Y NOMBRE COMERCIAL: *Manufacturer and commercial name:*	---
FUNDENTE: *Flux:*	------------
REQUISITOS DE SECADO: *Drying requirements:*	------------
GAS DE PROTECCIÓN: *Shielding gas:*	M24 s/ISO 14175:2009 (Ar 91%, CO2 7%, O2 2%)
CAUDAL: *Flow rate:*	10-14 litros/min.
GAS DE RESPALDO: *Shielding gas:*	N/A
CAUDAL: *Flow rate:*	------------
DIÁMETRO DE LA BOQUILLA DE GAS: *Orifice or gas cup size:*	N/A
TAMAÑO Y TIPO DE ELECTRODO DE TUGNSTENO: *Tugnsten electrode size and type:*	N/A

AX-PED-34-0

COMMITTED INTRAMESA MZ TO THE QUALITY

¡¡EXCLUSIVE DESIGN!!

Notes

Filters itm Water Solutions

itm Filters

Water Solutions

INTRAMESA MZ S.A.

Polígono Armentera P-99
22400 Monzón (Huesca)

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