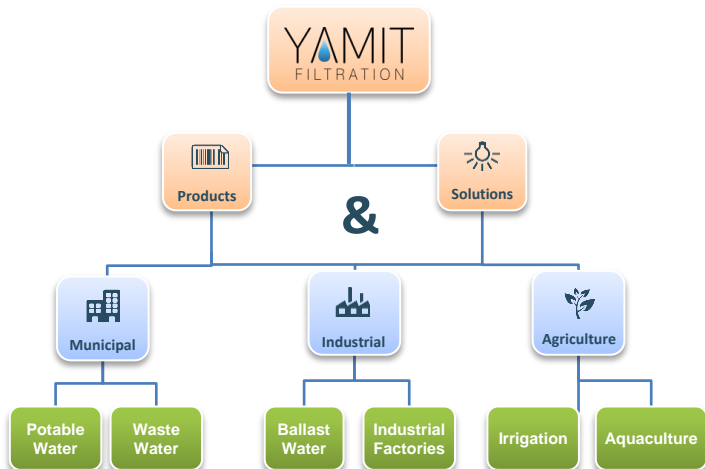




Filtration Solutions

Industrial & Municipal
Products Division

YAMIT
FILTRATION



Municipal, Industrial and Agriculture
We flow with the need of our customers!

Manual Filters

F100	pg. 5
F200	pg. 8
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Gravel Filtration System

F600	pg. 23
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Hydrocyclones

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Semi-Automatic Filters

SA-500C	pg. 38
SA-500B	pg. 41
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Automatic Hydraulic Filters

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Automatic Electric Filters

AF900	pg. 60
AF9800	pg. 63
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Automatic Mega Filters

MGE	pg. 73
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Pre-Pump Strainers

PPS	pg. 89
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Selected Projects

pg. 92

A photograph of a nuclear power plant at night. The central feature is a large, illuminated cooling tower with a white conical body and a dark top. To its left, there are several other industrial buildings and structures, some with lights on. The foreground shows a body of water reflecting the lights from the plant. A red banner is overlaid on the right side of the image.

Manual Filters

YAMIT
FILTRATION

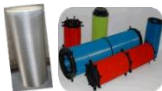
Applications: Control filters with a 90° inlet/outlet

Standard Characteristics:

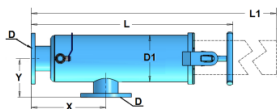
- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder
- Available disc elements: 2", 3" & 4"
- **Available filtration grades:** from 80 micron
- **Filter housing construction material:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic, Threaded socket and Flange
- **Maximum pressure:** 10 bar (145 psi)
- **Maximum recommended working pressure:** up to 8 bar (116 psi).

Operation:

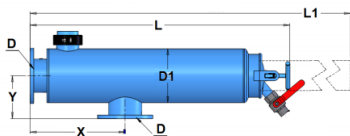
The filters are designed and built in accordance with the principle of water flow through the cylinder screen openings while solid particles are trapped by the screen. These particles can be easily removed by opening the cover and washing the screen manually. The drain valve is used for releasing pressure before opening for maintenance.



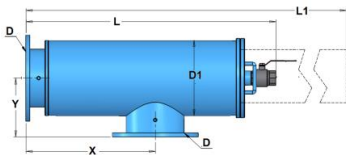
Model	In/Out D (in)	D1 (in)	X (mm) (in)		Y (mm) (in)		L (mm) (in)		L1 (mm) (in)	
F115	1.5	4	97	3.8	220	8.7	455	17.9	600	23.6
F120	2	6	130	5.1	230	9.1	469	18.5	600	23.6
F122	2	6	130	5.1	255	10.0	719	28.3	1085	42.7
F130	3	6	140	5.5	270	10.6	729	28.7	1130	44.5
F140	4	8	190	7.5	325	12.8	855	33.7	1330	52.4
F160	6	10	217	8.5	480	18.9	1313	51.7	2250	88.6
F180	8	12	262	10.3	500	19.7	1104	43.5	1785	70.3
F110	10	14	278	10.9	610	24.0	1179	46.4	1950	76.8



Model F115-F140



Model F160



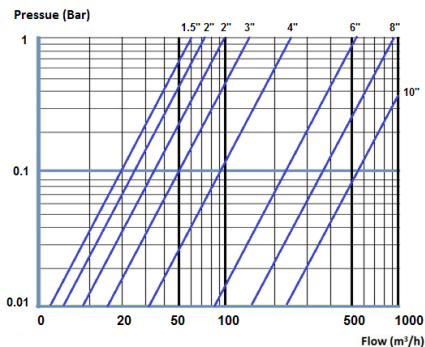
Model F180-
F110

Model	In/Out D (in)	Shipping Weight		Packaging Volume LxWxH	
		(kg)	(lb)	(m)	(ft)
F115	1.5	8.6	19	0.49x0.19x0.19	1.61x0.62x0.62
F120	2	16.1	36	0.52x0.26x0.26	1.71x0.85x0.85
F122	2	21.8	48	0.76x0.26x0.28	2.50x0.85x0.92
F130	3	27.7	61	0.76x0.26x0.28	2.50x0.85x0.92
F140	4	38.0	84	0.93x0.36x0.36	3.05x1.18x1.18
F160	6	76.0	168	1.27x0.31x0.42	4.12x1.02x1.38
F180	8	99.0	218	1.10x0.46x0.42	3.60x1.51x1.38
F110	10	115.0	254	1.10x0.46x0.42	3.60x1.51x1.38

Model Number	In/Out D		Maximum Flow Rate	
	(mm)	(in)	(m ³ /h)	(GPM)
F115	30	1.5	20	88
F120	50	2	25	110
F122	50	2	35	154
F130	75	3	50	220
F140	100	4	90	396
F160	150	6	220	969
F180	200	8	360	1585
F110	250	10	540	2378

* Maximum recommended Flow Rate - 120 micron in good quality water

Pressure loss at 120 micron



Applications: In-line control filters

Standard Characteristics:

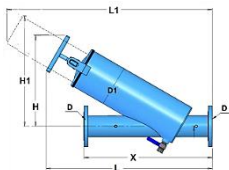
- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder
- Available disc elements: 2", 3" & 4"
- **Available filtration grades:** from 80 micron
- **Filter housing construction material:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic, Threaded socket and Flange
- **Maximum pressure:** 10 bar (145 psi)
- **Maximum recommended working pressure:** up to 8 bar (116 psi).

Operation:

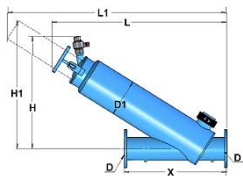
The filters are designed and built in accordance with the principle of water flow through the cylinder screen openings while solid particles are trapped by the screen. These particles can be easily removed by opening the cover and washing the screen manually. The drain valve is used for releasing pressure before opening for maintenance.



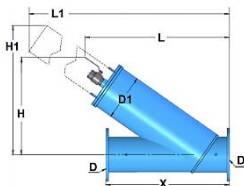
Model	In/Out D (in)	D1 (in)	X (mm) (in)	L (mm) (in)	L1 (mm) (in)	H (mm) (in)	H1 (mm) (in)
F215	1.5	4	350 13.8	496 19.5	603 23.7	278 10.9	308 12.1
F220	2	6	480 18.9	504 19.9	587 23.1	295 11.6	308 12.1
F222	2	6	480 18.9	726 28.6	1040 40.9	427 16.8	590 23.2
F230	3	6	550 21.7	717 28.2	1032 40.6	398 15.7	539 21.2
F240	4	8	685 26.6	887 34.7	1275 50.2	487 19.2	688 27.1
F260	6	10	735 28.9	1264 49.8	2032 80.0	817 32.2	1207 47.5
F280	8	12	830 33.1	1072 42.2	1556 61.3	643 25.3	1178 46.4
F210	10	14	940 37.0	1103 43.4	1778 69.9	745 29.3	1165 45.8



Modelo F215-F240



Modelo F260



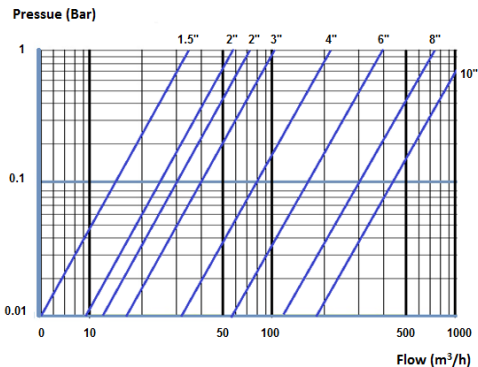
Modelo F280-F210

Model	In/Out D (in)	Shipping Weight		Packaging Volume	
		(kg)	(lb)	LxWxH (m)	(ft)
F215	1.5	9.3	21	0.54x0.28x0.22	1.77x0.92x0.72
F220	2	16.2	36	0.55x0.32x0.29	1.80x1.05x0.95
F222	2	22.8	50	0.67x0.55x0.28	2.20x1.80x0.92
F230	3	31.9	70	0.67x0.55x0.28	2.20x1.80x0.92
F240	4	43.8	97	0.84x0.64x0.32	2.76x2.10x1.05
F260	6	79.2	175	1.37x0.77x0.35	4.49x2.53x1.15
F280	8	108.8	240	1.20x0.73x0.35	3.94x2.40x1.15
F210	10	135.0	298	Pallet 1.00x1.20	Pallet 3.28x3.94

Model Number	In/Out D		Maximum Flow Rate	
	(mm)	(in)	(m ³ /h)	(GPM)
F215	30	1.5	15	66
F220	50	2	25	110
F222	50	2	30	132
F230	75	3	40	176
F240	100	4	80	352
F260	150	6	180	793
F280	200	8	300	1321
F210	250	10	450	1981

* Maximum recommended Flow Rate - 120 micron in good quality water

Pressure loss at 120 micron



Applications: In-line back-up filter after sand/gravel filter

Standard Characteristics:

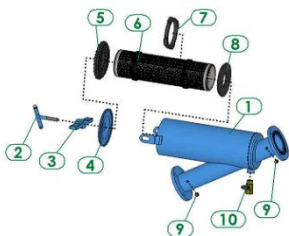
- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder
- Available disc elements: 2", 3" & 4"
- **Available filtration grades:** from 80 micron
- **Filter housing construction material:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic, Threaded socket and Flange
- **Maximum pressure:** 10 bar (145 psi)
- **Maximum recommended working pressure:** up to 8 bar (116 psi).

Operation:

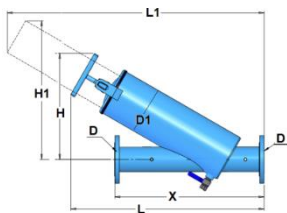
The filters are designed and built in accordance with the principle of water flow through the cylinder screen openings while solid particles are trapped by the screen. These particles can be removed by flushing through a drain valve or by opening the cover and washing the screen manually.

During back-flushing, the filtered water is reversed through the back-flush filter to the sand/gravel filter.





Model	In/Out D (in)	D1 (in)	X (mm) (in)		L (mm) (in)		L1 (mm) (in)		H (mm) (in)		H1 (mm) (in)	
F320	2	6	480	19	504	18.9	587	23.1	295	11.6	308	12.1
F330	3	6	555	22	722	28.4	1032	40.6	398	15.7	539	21.2
F340	4	8	685	27	887	34.9	1275	50.2	487	19.2	688	27.1

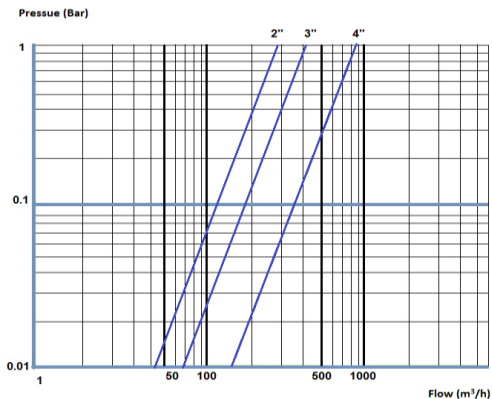


Model	In/Out D (in)	Shipping Weight		Packaging Volume	
		(kg)	(lb)	LxWxH (m)	(ft)
F320	2	15.7	35	0.55x0.32x0.29	1.80x1.05x0.95
F330	3	30.5	67	0.67x0.55x0.32	2.20x1.05x0.95
F340	4	41.8	92	0.84x0.64x0.32	2.76x2.10x0.95

Model	In/Out D		Maximum Flow Rate	
	(mm)	(in)	(m ³ /h)	(GPM)
F320	50	2	25	110
F330	75	3	40	176
F340	100	4	80	352

* Maximum recommended Flow Rate - 120 micron in good quality water

Pressure loss at 120 micron



Applications: In-line control filter

Standard Characteristics:

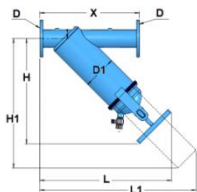
- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder
- Available disc elements: 2", 3" & 4"
- **Available filtration grades:** from 80micron
- **Filter housing construction material:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic, Threaded socket and Flange
- **Maximum pressure:** 10 bar (145 psi)
- **Maximum recommended working pressure:** up to 8 bar (116 psi).
- **Optional:** automatically controlled drainage valve (programmed by time)

Operation:

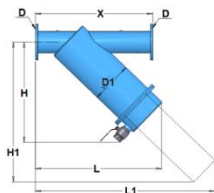
The water enters the filter through a plate with four or six (4 or 6) angular holes, directing the flow in a circular pattern along the length of the filter element. The water flows through the element screen openings while solid particles are collected at the lower section of the filter. These particles can be easily removed by opening the drain valve for a short period of time. The filters are supplied with 4-6 plugs enabling the user to adjust the number of holes to suit the filtering flow rate.



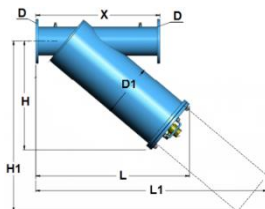
Model	In/Out D (in)	D1 (in)	X (mm) (in)		H (mm) (in)		H1 (mm) (in)		L (mm) (in)		L1 (mm) (in)	
F415	1.5	6	360	14.2	419	16.5	426	16.8	520	20.5	528	20.8
F420	2	6	415	16.3	459	18.1	509	20.0	574	22.6	622	24.5
F430	3	6	490	21.3	519	20.4	638	25.1	641	25.3	765	30.1
F440	4	8	550	21.7	582	22.9	789	31.1	726	28.6	933	36.7
F460	6	12	910	35.8	782	30.8	1092	43.0	980	38.6	1397	55.0
F480	8	16	950	37.4	832	39.4	1407	55.4	1176	50.4	1893	74.5
F410	10	16	950	37.4	1110	43.7	1920	75.6	1365	53.7	2210	87.0



Model: F415 - F430



del: F440-F460



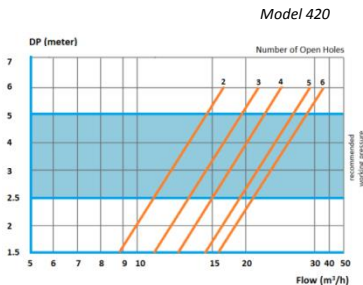
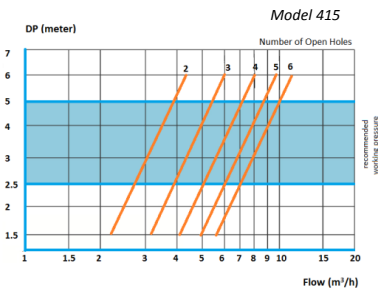
Model: F480-F410

Model	In/Out D (in)	Shipping Weight		Packaging Vol.	
		(kg)	(lb)	LxWxH (m3)	(ft3)
F415	1.5	14.5	32	0.63x0.42x0.30	2.07x1.38x0.98
F420	2	15.5	34	0.63x0.42x0.30	2.07x1.38x0.98
F430	3	29.9	66	0.67x0.55x0.28	2.20x1.80x0.92
F440	4	43.6	96	0.84x0.64x0.32	2.76x2.10x1.05
F460	6	117.0	258	1.24x0.75x0.44	4.07x2.46x1.44
F480	8	190.0	419	1.26x0.94x0.65	4.13x3.08x2.13

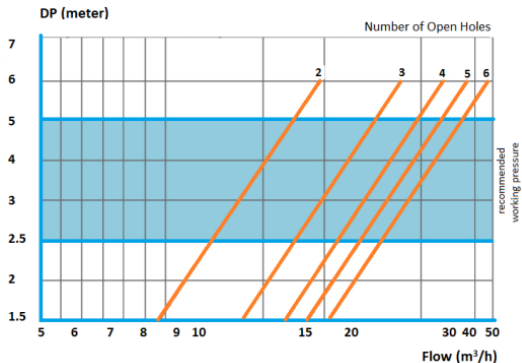
Model Number	In/Out D		Maximum Flow Rate	
	(mm)	(in)	(m ³ /h)	(GPM)
F415	1.5	30	3-10	13-44
F420	2"	50	11-28	48-123
F430	3"	75	12-39	53-172
F440	4"	100	18-70	80-308
F460	6"	150	31-210	136-925
F480	8"	200	163-299	720-1320

* Maximum recommended Flow Rate - 120 micron in good quality water

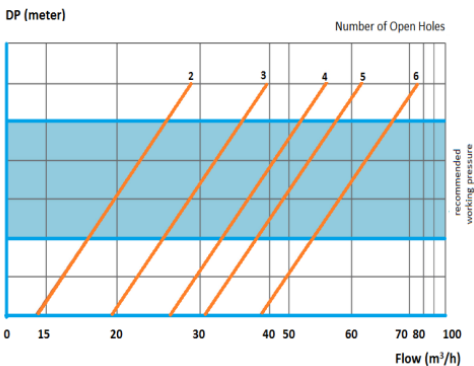
Pressure loss at 120 micron



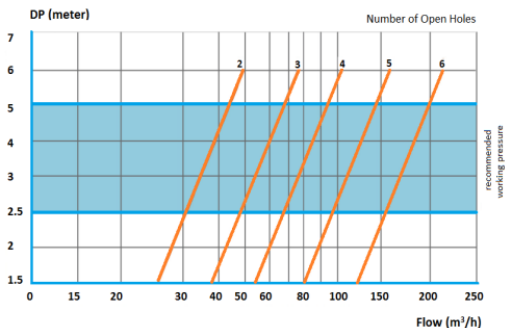
Model 430



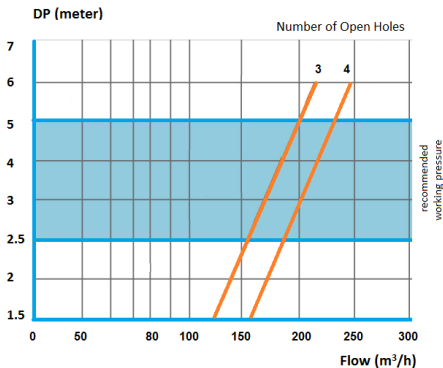
Model 440



Model 460



Model 480



Applications: protection for water meter or hydrometer, and for decrease of suspended solids levels in the water.

Standard Characteristics:

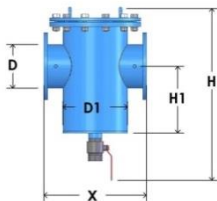
- **Filter element:** Single perforated screen Stainless Steel AISI 316
- **Available filtration grades:** 3000 micron and coarser
- **Filter housing construction material:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatically oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic, Threaded socket and Flange
- **Maximum recommended working pressure:** up to 10 bar (145 psi).

Operation:

The filters are designed and built in accordance with the principle of water flow through the screen openings while solid particles are collected at the lower section of the filter. These particles can be easily removed by drainage through a relatively large drain valve or by opening the cover and washing the screen manually.



Model	D	D1		X		H		H1	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
F2002	6	50	2	330	13.0	560	22	292	11.5
F2003	6	80	3	330	13.0	560	22	292	11.5
F2004	6	100	4	330	13.0	580	23	292	11.5
F2006	8	150	6	420	16.5	610	24	292	11.5
F2008	10	200	8	515	20.3	665	26	294	11.5
F2010	12	250	10	565	22.3	715	28	334	13.2
F2012	14	300	12	655	25.8	795	31	336	13.2
F2014	16	350	14	710	28.0	825	33	378	14.9
F2016	18	400	16	760	30.0	870	34	400	15.7
F2018	20	450	18	810	32.0	890	35	392	15.5
F2020	24	500	20	980	38.5	950	38	417	16.4
F2024	28	600	24	1080	42.5	1115	44	503	19.8

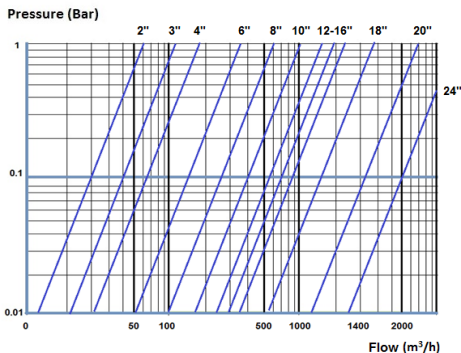


Model	D (in)	Weight	
		(Kg)	(lb)
F2002	6	35	80
F2003	6	40	90
F2004	6	45	100
F2006	8	65	145
F2008	10	95	210
F2010	12	120	265
F2012	14	170	375
F2014	16	220	485
F2016	18	275	605
F2018	20	350	770
F2020	24	575	1270
F2024	28	670	1480

Model	In/Out D		Max. Flow Rate	
	(mm)	(in)	(m ³ /h)	(GPM)
F2002	50	2	20	88
F2003	75	3	40	176
F2004	100	4	65	286
F2006	150	6	150	660
F2008	200	8	260	1145
F2010	250	10	400	1761
F2012	300	12	580	2554
F2014	350	14	700	3082
F2016	400	16	880	3875
F2018	450	18	1150	5064
F2020	500	20	1450	6385
F2024	600	24	2000	8806

- Maximum recommended Flow Rate - 120 micron in good quality water

Pressure loss at 3000 micron





Media Filters

YAMIT
FILTRATION

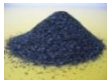
Applications: provide high quality filtration solutions for water with a high contamination of organic material and algae

Standard Characteristics:

- **Filter housing material of construction:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic, Threaded socket and Flange
- **Maximum recommended working pressure:** 8 bars (116 psi).
- Equipped with “mushroom” diffusers with vertical openings
- Diffusion protection for screws, nuts & washers

Operation:

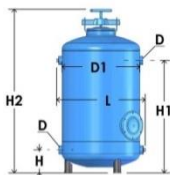
Water enters the filter via the inlet and spreads evenly onto the media. Solids and organic materials are trapped within the media. The clean water passes through the media and flows out via the nozzles. The back flushing process is done by shutting the inlet of the filter and allowing the water to enter from the bottom, lifting the media and releasing the solids that exit the filter through the back flush manifold. This process can be controlled automatically.



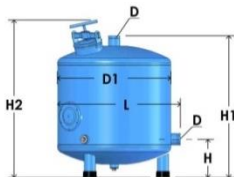
Model	D In/Out (in)	D1 (in)	H (mm) (in)		H1 (mm) (in)		H2 (mm) (in)		L (mm) (in)	
F605	1	12	150	5.91	785	30.91	1160	45.65	445	17.52
F610	1 ½	16	180	7.09	570	34.25	1175	46.23	457	17.99
F620	2	20	180	7.09	880	34.65	1280	50.4	548	21.57
F630	3	20	180	7.09	880	34.65	1280	50.4	617	24.29
F635	2	24	180	7.09	880	34.65	1285	50.6	696	27.4
F640	3	30	300	11.81	1070	42.13	1197	47.12	864	34.02
F650	3	36	300	11.81	1110	43.7	1242	48.9	1010	39.76
F660	4	48	330	11.81	1110	43.7	1189	46.81	1338	52.69

Note: Standard connection 12" - 25" threaded
30" - 48"

Victaulic/Flange



Model F605 –
F635

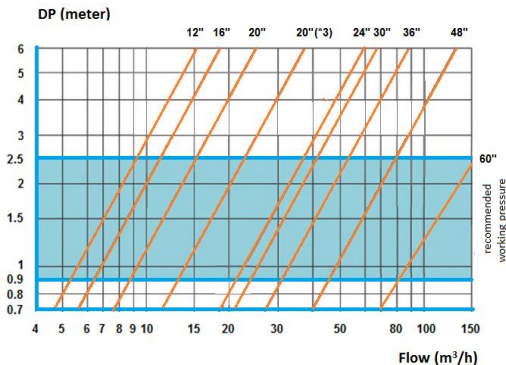


Model F640 – F660

Model	D In/Out (in)	D1 (in)	Weight of unit (kg) (lb)		No. of gravel bags of 25 kg (55 lb)
F605	1	12	45	99	2
F610	1 ½	16	48	106	3
F620	2	20	60	132	5
F630	3	20	60	132	5
F635	2	24	85	187	7
F640	3	30	130	287	12
F650	3	36	170	375	16
F660	4	48	246	542	23

Model	In/out D (in)	Body Diameter D1		Recom. Flow rate		Recom. Backwash Flow Rate		Filtration area	
		(mm)	(in)	(m ³ /h)	(gpm)	(m ³ /h)	(gpm)	(m ²)	(ft ²)
F605	1	323	12	3.5-5	15-22	6	26	0.07	0.75
F610	1.5	390	16	5.3-9	23-39	10	44	0.12	1.29
F620	2	480	20	8-13.5	35-59	17	75	0.20	2.15
F630	3	480	20	8-13.5	35-59	17	75	0.20	2.15
F635	2	610	24	13.5-20	59-88	25	110	0.29	3.12
F640	3	762	30	20-30	88-132	38	167	0.44	4.73
F650	3	900	36	32-44	140-193	55	242	0.64	6.89
F660	4	1200	48	55-79	242-348	96	423	1.13	12.16

Pressure loss at 120 micron



Recommendation table for gravel system

Model	D In/Outlet (in)	Max. Flow rate (m3/h)	Configuration	Screen (*)
F635-02-130	3	40	2*24"	1*F130 (3")
F635-03-140	4	60	3*24"	1*F140 (4")
F635-04-140	4	80	4*24"	1*F140 (4")
F635-05-140	4	100	5*24"	1*F140 (4")
F635-06-160	6	120	6*24"	1*F160 (6")
F650-04-160	6	160	4*36"	1*F160 (6")
F650-05-160	6	200	5*36"	1*F160 (6")
F650-06-160	6	250	6*36"	1*F160 (6")
F650-07-180	8	300	7*36"	1*F180 (8")
F650-08-180	8	340	8*36"	1*F180 (8")
F660-05-180	8	350	5*48"	1*F180 (8")
F660-06-110	10	420	6*48"	1*F110 (10")
F660-07-110	10	500	7*48"	1*F110 (10")
F660-08-110	10	570	8*48"	2*F180 (8")
F660-09-110	10	630	9*48"	2*F180 (8")
F660-10-110	12	700	10*48"	2*F180 (8")

*The standard screen of the controller filter is 400 microns.

The system includes: back flushing valve, limit flow rate valve, back flushing controller, gravel, pipes & accessories.



Sodium Hypochlorite for Chlorination

Chlorine treatment process

1. Empty the tank until it is half filled with water.
2. Apply the quantities of liquid sodium hypo-chloride into the filter tanks, as per the table.
3. Refill each tank with water allowing no flow through the tanks.
4. Close the cover of the filter and wait 30 to 60min.
5. Wash the filter again, 2-3 times consecutively.

Model	Filter diameter		Quantity of Sodium Hypochlorite Domestic liquid - 3% concentration	Quantity of Sodium Hypochlorite Technical liquid - 10% concentration
	(in)	(mm)	(liters)	(liters)
F605	12	300	0.27	0.06
F610	16	400	0.50	0.10
F620	20	500	0.80	0.16
F635	24	610	1.20	0.24
F636	24	610	1.20	0.24
F640	30	750	1.73	0.35
F650	36	900	2.48	0.50
F655	42	1050	3.45	0.70
F660	48	1200	4.50	0.90

Victaulic Connector



Victaulic Adaptor Flange



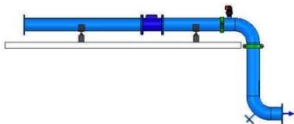
Victaulic adaptor Threaded female



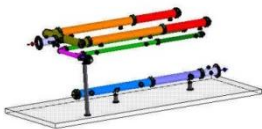
Victaulic adaptor Threaded male



Manifold water meter 10D, 5D + Foot Drop to the Ground



Steel Manifold



Support legs



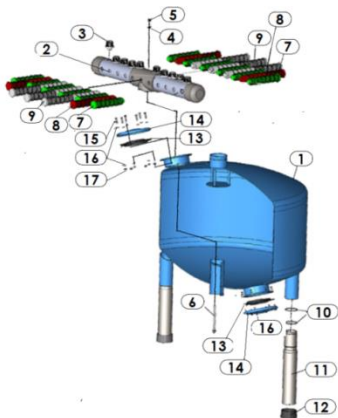
Max flow rate:	70m ³ /h (308 US GPM)
Max Pressure:	6 bar (90 psi)
Min. Flushing pressure:	2 bar (29 psi)
Packaging Weight:	180 kg (396 lb)
Working weight:	1350 kg (2970 lb)

Construction materials:

- Body: Carbon Steel ST37.2
- Coating: epoxy-polyester powder
- Flushing elements:
 - Manifold PVC
 - PP filter nozzles with V slots



1. Body Filter
2. Under Drain Collector
3. Mushroom Diffuser
4. Washer
5. Nut
6. Threaded Rod
7. Under Drain element – N1
8. Under Drain element – N2
9. Under Drain element – N3
10. O-Ring
11. Elevation Leg
12. Rubber Leg
13. Cover Gasket
14. SerVicalice Cover
15. Bolt
16. Washer
17. Nut



Applications: provide high quality filtration solutions for water with high contamination of organic material and algae. The standard solution in most filtration applications across most industrial and municipal segments.

Standard Characteristics:

- **Filter housing material of construction:** Carbon Steel ST37.2
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic, Threaded socket and Flange

Type of Media:

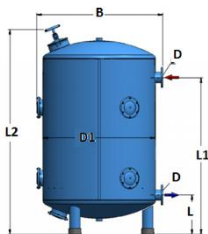
- **Quartz Sand**
- **Volcanic Gravel:** sizes from 1mm – 20 mm
- **Anthracite:** as a component of dual or multi-media filters for potable water in conjunction with sand (and possibly garnet). The inclusion of a layer of anthracite above the sand ensures longer filter run times. This anthracite layer can produce higher filtration rates than for filters with no anthracite addition thereby reducing the coarse particulate load on the sand.
- **Catalytic media:** manganese dioxide screen washed and dried. Uses; catalytic iron and manganese removal from potable water.
- **Active carbon:** to absorb chlorine and other minerals from water.

Model	Connection D		Body Diameter D1		Filtration area		Recommended Flow Rate				H
							m ³ /h		GPM		
	in	mm	in	mm	m ²	ft ²	Min	Max	Min	max	
F6020HM	1.5	40	20	500	0.20	2.15	1	3	4.4	13.2	1500
F6025HM	1.5	40	25	625	0.30	3.23	2	4	8.8	17.6	1500
F6030HM	2	50	30	750	0.44	4.73	3	6	13.2	26.4	1500
F6036HM	2	50	36	900	0.63	6.78	4	9	17.6	39.6	1500
F6042HM	2	50	42	1070	0.89	9.57	5	15	22	66	1500
F6048HM	3	80	48	1200	1.13	12.16	6	17	26.4	74.8	1500
F6064HM	3	80	64	1600	2.00	21.52	10	30	44.0	132.0	1500
F6080HM	4	100	80	2000	3.14	33.79	16	47	70.4	207.0	1500
F6088HM	4	100	88	2200	3.80	40.90	19	57	84.0	251.0	1500
F6100HM	4	100	100	2500	4.90	52.74	25	74	110.0	326.0	1500
F6120HM	6	150	120	3000	7.06	76.00	36	106	158.0	466.0	1500

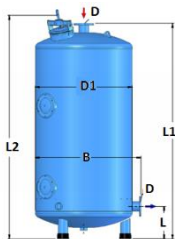


Model	D1 (in)	B		L		L1		L2	
		(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
F6016	16	500	19.7	180	7.1	1580	62.2	1885	74.2
F6020	20	563	22.2	180	7.1	1675	65.9	2075	81.8
F6025	24	706	27.8	180	7.1	1675	65.9	2075	81.8
F6030	30	865	34.0	300	11.8	2052	80.8	2185	85.8
F6030S	30	865	34.0	300	11.8	1650	64.6	2185	85.8
F6036	36	970	38.19	300	11.8	1990	78.35	2121	83.5
F6036S	36	970	38.19	300	11.8	1600	62.9	2121	83.5
F6042	42	1170	45.9	300	11.8	2045	80.5	2150	84.7
F6042S	42	1170	45.9	300	11.8	1600	62.9	2150	84.7
F6048	48	1343	52.9	420	16.5	2160	85.0	2246	88.4
F6048S	48	1343	52.9	420	16.5	1670	65.8	2246	88.4
F6060	60	1726	67.9	440	17.3	2360	97.7	2458	96.8
F6060S	60	1726	67.9	440	17.3	1740	68.5	2458	96.8

S = side inlet



Model F6016 – F6025 + S



Model F6030 – F6060



Sand Separator (Hydrocyclone)

YAMIT
FILTRATION

Applications: sand separator for well applications

Standard Characteristics:

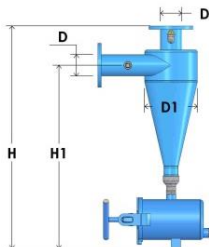
- **Filter housing material of construction:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic, Male Threaded and Flange
- **Maximum recommended working pressure:** 10 bars (145 psi).
- Inlet is tangential to the body
- Equipped with anti- vacuum valve
- Conical rubber protection or expendable connection on the joint between hydrocyclone and the sedimentation tank

Operation:

Water enters the hydrocyclone via the tangential inlet which creates a spiral flow along the walls of the filter. The centrifugal force separates the waste and sand particles and pushes them towards the walls of the sand separator. Those particles gravitate downwards and into the sedimentation tank, while clean water moves upwards and exits through the top outlet. For the sand separator to operate correctly, the lead loss must remain between 2-5m. The separation efficiency is not affected by the accumulation of dirt in the sedimentation tank. The sedimentation tank is drained by opening a flush valve for a few seconds manually or automatically by timer.



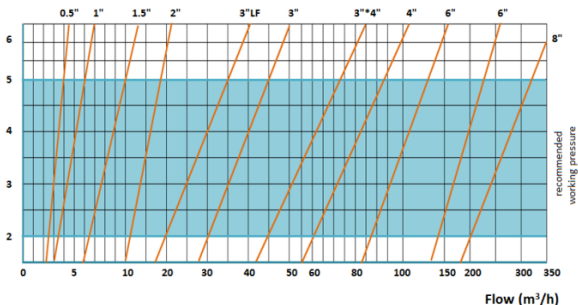
Model	In/out D (in)	Tank (lt)	D1 (in)	H (mm) (in)		H1 (mm) (in)	
				mm	in	mm	in
F710	3/4	1.5	3	475	18.7	380	14.9
F720	1	1.5	4	600	23.6	460	18.1
F730	1.5	2.5	6	740	29.1	594	23.4
F740	2	5	8	900	35.4	755	29.7
F750LF	3	5	8	930	36.6	765	30.1
F750	3	5	8	930	36.6	765	30.1
F755	3*4	60	12	1550	61.0	1285	50.6
F760	4	60	16	1765	69.5	1495	58.8
F770	6	150	20	1996	78.6	1671	65.8
F775	6	150	24	2300	90.5	1940	76.4
F780	8	300	30	2897	114.0	2492	98.1



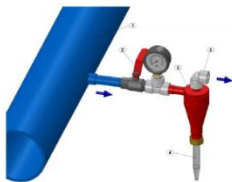
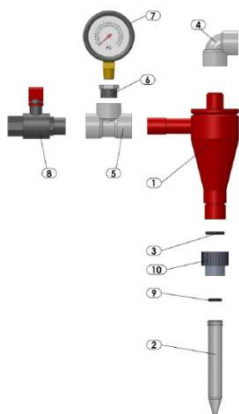
Model	In/Out D (in)	Shipping Weight		Packaging Volume LxWxH	
		(kg)	(lb)	(m)	(ft)
F710	3/4	8.3	18	0.31x0.31x0.19	1.02x1.02x0.62
F720	1	10.1	22	0.54x0.28x0.22	1.77x0.92x0.72
F730	1.5	15.5	34	0.55x0.32x0.28	1.80x1.05x0.92
F740	2	23.4	52	0.63x0.42x0.30	2.07x1.38x0.94
F750LF	3	32.5	72	0.67x0.55x0.28	2.20x1.80x0.92
F750	3	32.5	72	0.67x0.55x0.28	2.20x1.80x0.92
F755	3*4	75.0	165	1.37x0.77x0.22	4.49x2.53x0.72
F760	4	97.5	215	1.26x0.77x0.26	4.13x2.53x0.85
F770	6	187.0	412	1.40x1.20x1.00	4.60x3.94x3.28
F775	6	230.0	507	1.70x0.90x1.00 Ciclón 1.30x0.77x0.80 Tanque	5.6x3.0x3.0 ciclón 4.3x2.5x2.6 Tanque
F780	8	328.0	723	2.10x0.95x1.15 Ciclón 1.40x0.77x1.00 Tanque	6.9x3.1x3.8 ciclón 4.6x2.5x3.3 tanque

Model	In/out D (in)	Flow rate		Sediment deposit (liter)
		(m ³ /h)	(GPM)	
F710	3/4	2.4 – 4	10.6 – 17.2	1.5
F720	1	3.5 – 6	15.4 – 26.4	2.5
F730	1.5	6.5 – 10	28.6 – 44	5
F740	2	11 – 19	48.4 – 83.6	5
F750LF	3	20 – 35	88 – 154	5 (10*)
F750	3	29 – 45	127.6 – 198	5 (10*)
F755	3*4	45 – 73	198 – 321	30
F760	4	60 – 93	264 – 409	60
F770	6	93 – 155	409 – 682	150
F775	6	145 – 225	638 – 990	150(220*)
F780	8	200 - 330	880 - 1452	300

DP (meter)



Hydrocyclone tester



- | | |
|----|------------------|
| 1 | Body |
| 2 | Test tube |
| 3 | O-Ring |
| 4 | Outlet |
| 5 | T-connector |
| 6 | Adaptor |
| 7 | Pressure gauge |
| 8 | Ball valve |
| 9 | O-Ring |
| 10 | Test tube holder |

A photograph of a nuclear power plant at night. The central feature is a large, white, hourglass-shaped cooling tower, illuminated from below. To its left is a large, rectangular industrial building with a blue section and a tall, vertical stack of lights. The entire facility is set against a dark blue night sky. In the foreground, a body of water reflects the lights from the plant. A blue horizontal bar with a white border is overlaid on the upper part of the image, containing the text 'Semi-Automatic Filters'.

Semi-Automatic Filters

YAMIT
FILTRATION

Applications: Semi-automatic compact suction filters with a 90° inlet/outlet.

Standard Characteristics:

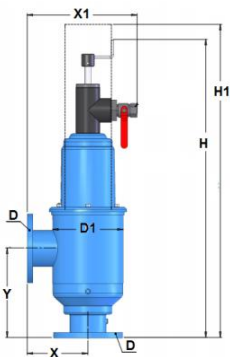
- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder .
- **Available filtration grades:** from 120 micron
- **Filter housing material of construction:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic, Threaded socket and Flange
- **Maximum recommended working pressure:** up to 10 bar (145 psi).
- **Minimum operating working pressure during flushing:** 1 bar (14.5 psi)
- Equipped with a mechanical DP which indicates when the pressure difference of 5m is exceeded
- **Clean screen pressure loss:** up to 0.1 bar (1.45psi)

Operation:

Water flows through the inlet along and through the cylindrical screen trapping the solids on the screen. The filter can be manually cleaned while still pressurized and without removing the screen. The operator cleans the screen by opening the flush valve and turning the handle, fully up and then back down. As a result the suction nozzles traverse the entire screen removing trapped debris. The whole process takes a few seconds.



Model	In/Out D		D1 (in)	X (mm) (in)		X1 (mm) (in)		Y (mm) (in)		H (mm) (in)		H1 (mm) (in)	
	(mm)	(in)		(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
SA502C	50	2	6	123	4.83	270	10.62	174	6.9	590	23.2	637	25.1
SA503C	75	3	6	164	6.46	307	12.07	197	7.7	790	31.1	849	33.4
SA504C	100	4	8	190	7.46	343	13.90	280	11.0	933	36.7	980	38.6

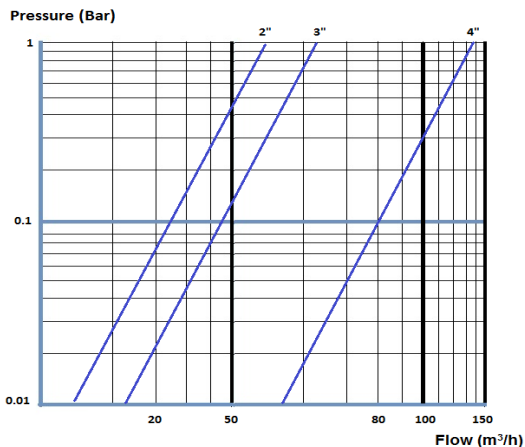


Model	In/Out D		Shipping Weight		Packaging Volume	
	(mm)	(in)	(kg)	(lb)	(m)	(ft)
SA502C	50	2	12	26	0.6x0.3x0.3	2.0x1.0x1.0
SA503C	75	3	24	53	0.8x0.3x0.3	1.0x1.0x2.6
SA504C	100	4	30	66	0.97x0.35x0.35	1.1x1.1x3.2

Model Number	In/Out D		Maximum Flow Rate		Flushing Flow rate	
	(mm)	(in)	(m ³ /h)	(GPM)	(m ³ /h)	(GPM)
SA502C	50	2	25	110	6	26
SA503C	75	3	45	200	8	35
SA504C	100	4	80	350	10	44

* Maximum recommended Flow Rate - 120 micron in good quality water

Pressure loss at 120 micron



Applications: Semi-automatic brush filters

Standard Characteristics:

- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder .
- **Available filtration grades:** from 300 micron
- **Filter housing material of construction:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic and Flange
- **Maximum recommended working pressure:** up to 10 bar (145 psi).
- **Minimum operating working pressure during flushing:** 1 bar (14.5 psi)
- Equipped with pressure gage which indicates the pressure difference of 5m
- **Clean screen pressure loss:** up to 0.1 bar (1.45psi)

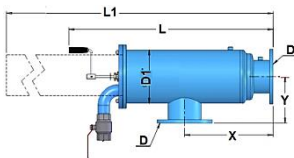
Operation:

Water flows through the inlet and through the cylindrical screen trapping the solids on the screen. The filter can be manually cleaned while still pressurized and without removing the screen. The operator cleans the screen by opening the flush valve and turning the handle, fully up and then back down. As a result the brushes traverse the entire screen removing trapped debris. The entire process lasts for just a few seconds.

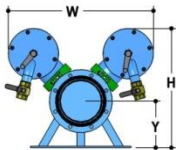


Model	D In/Out (in)	D1 (in)	X (mm) (in)	Y (mm) (in)	L (mm) (in)	L1 (mm) (in)	H (mm) (in)	W (mm) (in)
SA504B	4	10	350 13.8	237 9.3	833 32.8	1060 41.7		
SA506B	6	10	450 17.7	237 9.3	1038 40.9	1460 57.5		
SA508B	8	10	550 21.7	237 9.3	1236 48.7	1860 73.2		
SA510B	10	10	1100 43.3	250 9.8	1293 50.9	1720 67.7	719 28.2	937 36.9
SA512B	12	12	1250 47.2	280 11.0	1765 59.7	2140 84.3	770 30.2	973 38.3
SA514B	14	14	1420 55.9	315 12.4	1735 68.3	2360 92.9	813 32.0	996 39.2

* Backwash flow: 176 gpm (40 m³/h)

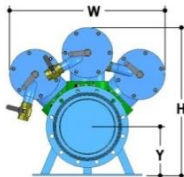


Model SA504B-SA508B



Model SA510B -
(2*506B)

Model SA512B-



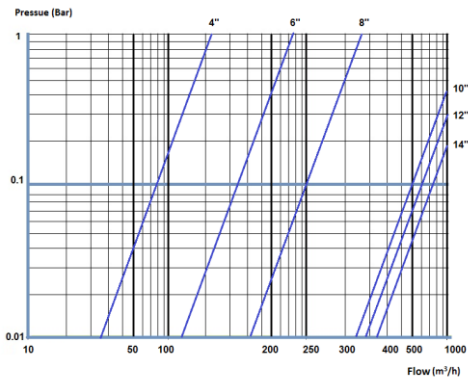
Model SA514B - (3*508B)

Model	(2*508B) D In/Out (in)		Shipping Weight (kg) (lb)		Packaging Volume L x W x H (m) (ft)	
SA504B	100	4	78	172	1.07x0.6x0.6	3.5x2.0x2.1
SA506B	150	6	93	205	1.07x0.6x0.6	3.5x2.0x2.1
SA508B	200	8	110	243	1.33x0.6x0.6	4.4x2.0x2.1
SA510B	250	10	219	483	1.33x1.3x1.0	4.4x4.3x3.3
SA512B	300	12	337	743	1.50x1.3x1.0	4.9x4.3x3.3
SA514B	350	14	338	745	1.80x1.2x1.2	5.9x3.9x3.9

Model	In/Outlet D		Max. recommended Flow rate	
	(mm)	(in)	(m ³ /h)	(gpm)
SA504B	100	4	80	352
SA506B	150	6	150	660
SA508B	200	8	250	1101
SA510B	250	10	500	2202
SA512B	300	12	600	2642
SA514B	350	14	750	3302

* Maximum recommended Flow Rate - 120 micron in good quality water

Pressure loss at 120 micron



Applications: Semi-automatic suction filters

Standard Characteristics:

- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder .
- **Available filtration grades:** from 120 micron
- **Filter housing material of construction:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic and Flange
- **Maximum recommended working pressure:** up to 10 bar (145 psi).
- **Minimum operating working pressure during flushing:** 1 bar (14.5 psi)
- Equipped with pressure gauge which indicates the pressure difference of 5m
- **Clean screen pressure loss:** up to 0.1 bar (1.45psi)

Operation:

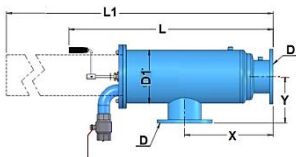
Water flows through the inlet along and through the cylindrical screen trapping the solids on the screen.

The filter can be manually cleaned while still pressurized and without removing the screen. The operator cleans the screen by opening the flush valve and turning the handle, fully up and the back down. As a result the suction nozzles traverse the entire screen removing trapped debris. The whole process takes a few seconds.

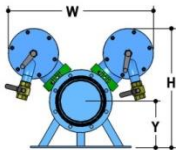


Model	D		D1 (in)	X		Y		L		L		H		W	
	In/Out (mm)	(in)		(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
SA504S	100	4	10	350	13.8	237	9.3	958	37.7	1400	55.1				
SA506S	150	6	10	450	17.7	237	9.3	1163	45.8	1800	70.9				
SA508S	200	8	10	550	21.7	237	9.3	1361	53.6	2200	86.6				
SA510S	250	10	10	1100	43.3	250	9.8	1421	55.9	2060	81.1	719	28.2	937	36.9
SA512S	300	12	12	1200	47.3	280	11.0	1641	64.6	2480	97.6	767	30.2	973	38.3
SA514S	350	14	14	1420	55.9	315	12.4	1861	73.3	2700	106.3	952	37.5	996	39.2

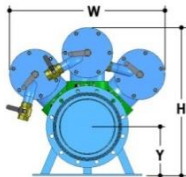
* Backwash flow: 176 gpm (40 m³/h)



Model SA504B-SA508B



Model SA510B -
(2*506B)



Model SA514B - (3*508B)

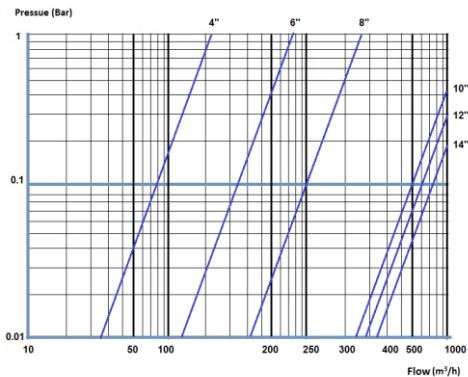
Model SA512B-

Model	(2*508B) D In/Out (in)		Shipping Weight (kg) (lb)		Packaging Volume L x W x H (m) (ft)	
	SA504S	100	4	83	183	1.07x0.6x0.6
SA506S	150	6	102	225	1.33x0.6x0.6	4.4x2.0x2.1
SA508S	200	8	119	262	1.52x0.6x0.6	4.9x2.0x2.1
SA510S	250	10	229	505	1.30x1.3x1.0	4.3x4.3x3.3
SA512S	300	12	262	578	1.50x1.3x1.0	4.9x4.3x3.3
SA514S	350	14	353	778	1.80x1.2x1.2	5.9x3.9x3.9

Model	In/Outlet D (mm) (in)		Max. recommended Flow rate (m ³ /h) (gpm)	
	SA504S	100	4	80
SA506S	150	6	150	660
SA508S	200	8	250	1101
SA510S	250	10	500	2202
SA512S	300	12	600	2642
SA514S	350	14	750	3302

* Maximum recommended Flow Rate - 120 micron in good quality water

Pressure loss at 120 micron





Automatic Hydraulic Filters

YAMIT
FILTRATION

Applications: Compact screen filters with automatic back flushing

Standard Characteristics:

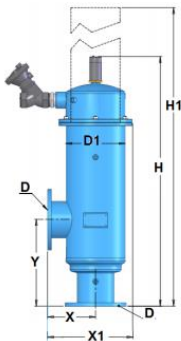
- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder.
Optional – multi layered Stainless Steel Screen
- **Available filtration grades:** 80 -3000 microns
- **Filter housing material of construction:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic, Threaded socket and Flange
- **Maximum recommended working pressure:** up to 10 bar (145 psi).
- **Minimum operating working pressure during flushing:** 2 bar (28.4 psi)
- Equipped with an electronic control system (6V DC, 12 V DC, 24V AC)

Operation:

Cleaning of the screen is performed automatically once the pressure loss (ΔP) across the filter has reached the preset value up to 0.5 bar (7psi). The flushing valve opens, pressure is released from the hydraulic piston, and debris laden water is discharged through the flushing valve. Pressure in the hydraulic motor chamber and the dirt collector is significantly lowered causing the dirt collector nozzles move along and rotate cleanings the whole internal screen surface. The flushing cycle takes 5 seconds. The flushing valve closes at the end of the cycle, pressure reapplied to the piston, moving the nozzles back to their rest position, and the filter is cleaned. During the whole process water supply is uninterrupted.



Model	D In/Out (mm) (in)		D1 (in)	X (mm) (in)		X1 (mm) (in)		Y (mm) (in)		H (mm) (in)		H1 (mm) (in)	
	mm	in		mm	in	mm	in	mm	in	mm	in	mm	in
AF202	50	2	10	220	8.7	465	18.3	197	7.8	507	19.9	475	18.7
AF202X	50	2	10	220	8.7	465	18.3	197	8.7	623	24.5	590	23.2
AF203	75	3	10	220	8.7	465	18.3	197	8.7	507	19.9	475	18.7
AF203X	75	3	10	220	8.7	465	18.3	210	8.3	641	25.2	590	23.2
AF204	100	4	10	220	8.7	465	18.3	210	8.3	641	25.2	610	24.0
AF204X	100	4	10	220	8.7	585	23.0	315	12.4	920	36.2	1145	45.1
AF206	150	6	10	220	8.7	585	23.0	400	15.8	1150	45.3	1575	62.0
AF208	200	8	16	303	11.9	642	25.3	450	17.7	1219	48.0	1700	66.9

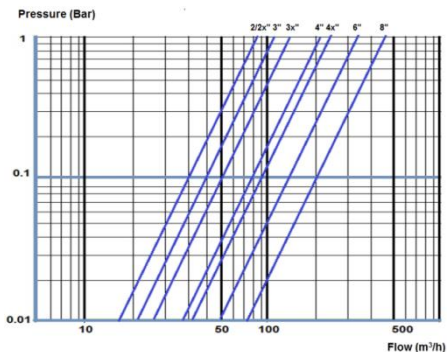


Model	D In/Out (mm) (in)		Shipping Weight (kg) (lb)		Packing Volume L*W*H (m) (ft)	
	mm	in	kg	lb	m	ft
AF202	50	2	43	95	0.77x0.58x0.58	2.53x1.90x1.90
AF202X	50	2	47	103	0.87x0.58x0.58	2.85x1.90x1.90
AF203	75	3	45	95	0.77x0.58x0.58	2.53x1.90x1.90
AF203X	75	3	48	105	0.87x0.58x0.58	2.85x1.90x1.90
AF204	100	4	50	110	0.87x0.58x0.58	2.85x1.90x1.90
AF204X	100	4	70	154	1.22x0.68x0.68	4.00x2.23x2.23
AF206	150	6	90	198	1.41x0.68x0.68	4.26x2.23x2.23
AF208	200	8	150	331	1.43x0.87x0.83	4.69x2.85x2.72

Model	In/Out ØD (inch)	Max. flow rate (m ³ /h) (gpm)		Screen Area (cm ²) (inch ²)		Flushing Flow rate (m ³ /h) (gpm)		Flushing volume (m ³) (gal)	
AF202	2	30	132	1100	170	6	26	0.0083	2.2
AF202X	2	30	132	1630	253	6	26	0.0083	2.2
AF203	3	40	176	1100	170	6	26	0.0083	2.2
AF203X	3	50	220	1630	253	6	26	0.0083	2.2
AF204	4	80	352	1630	253	6	26	0.0083	2.2
AF204X	4	90	396	2770	430	20	87	0.028	7.4
AF206	6	130	572	4120	640	20	87	0.028	7.4
AF208	8	200	880	5240	812	20	87	0.028	7.4

* Maximum recommended Flow Rate - 120 micron in good quality water

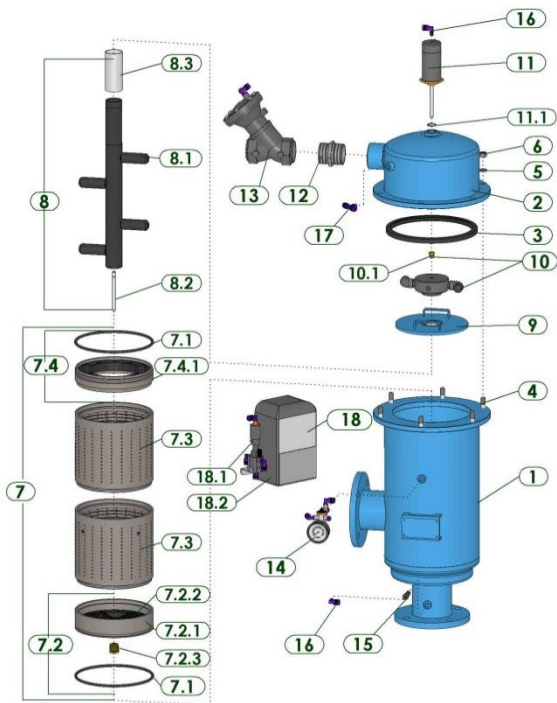
Pressure loss at 120 micron



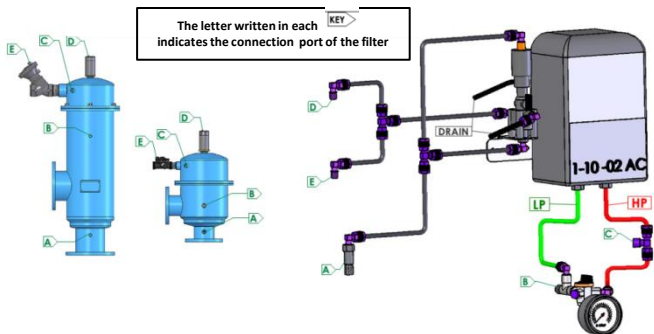
Maximum Flow (m³/h)

	Water quality	AF-202	AF-202X	AF-203	AF-203X	AF-204	AF-204X	AF-206	AF-208
		2"	2"X	3"	3"X	4"	4"X	6"	8"
200µ	Good	25	30	40	50	80	90	130	200
	Regular	20	25	35	45	70	80	90	170
	Bad	15	20	25	35	40	50	70	130
100-150µ	Good	25	30	40	50	80	90	130	200
	Regular	15	20	25	35	40	50	70	150
	Bad	10	15	20	25	35	45	60	120

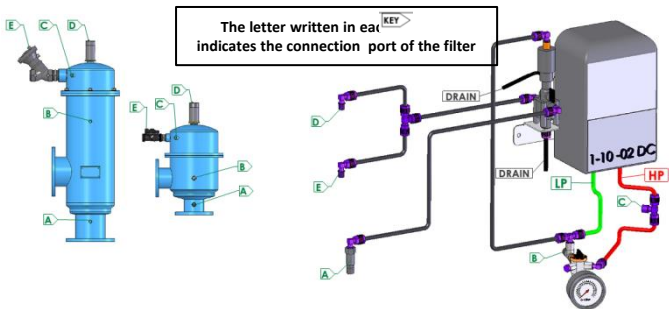
Water quality: good - < 15 mg/l; regular – 15-30 mg/l; bad – 50-100 mg/l



AF200- AC Control System Setup



AF200- DC Control System Setup



Applications: screen filter with automatic hydraulic flushing

Standard Characteristics:

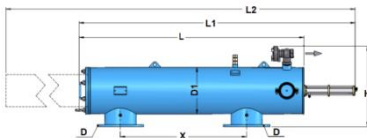
- **Filter element:** - ST.ST. screen AISI 316, supported by a PVC cylinder.
Optional – multi layered Stainless Steel Screen
- **Available filtration grades:** 80-3000 micron
- **Filter housing material of construction:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic and Flange
- **Maximum recommended working pressure:** up to 10 bar (145 psi).
- **Minimum operating working pressure during flushing:** 2 bar (29 psi)
- Equipped with an electronic control system (6V DC, 12 V DC, 24V AC)

Operation:

The filter is equipped with a coarse screen that protects the finer screen from stones and larger particles. The coarse screen can be periodically cleaned manually. Automatic flushing of the fine screen is activated once the pressure differential (ΔP) in the filter reaches pre-determined value (up to 0.5 bar). During the flushing cycle, the flushing valve opens, pressure is released from the hydraulic piston and debris laden water is discharged through the flushing valve. Pressure in the hydraulic motor chamber and the dirt collector is significantly lowered causing the dirt collector nozzles move along and rotate cleaning the whole internal screen surface. The flushing cycle takes 5 seconds. The flushing valve closes at the end of the cycle, pressure reapplied to the piston, moving the nozzles back to their rest position, and the filter is cleaned. During the whole process water supply is uninterrupted.



Model	In/Out D (mm) (in)		D1 (in)	H (mm)(in)		X (mm) (in)		L (mm) (in)		L1 (mm) (in)		L2 (mm) (in)	
AF803NL	75	3	10	545	21.4	450	17.7	1139	44.8	1386	54.6	2040	80.3
AF804NL	100	4	10	545	21.4	900	35.4	1535	60.4	1782	70.1	2820	111.0
AF804NX	100	4	10	545	21.4	900	35.4	1931	76.0	2178	85.7	3620	142.5
AF806NL	150	6	12	580	22.8	900	35.4	1605	63.2	1851	72.9	2890	113.8
AF806NX	150	6	10	555	21.8	900	35.4	2001	78.8	2247	88.5	3680	144.9
AF808NR	200	8	12	579	22.8	900	35.4	1795	70.7	2041	80.4	3075	121.1
AF808NL	200	8	12	579	22.8	900	35.4	2190	86.2	2437	95.9	3870	152.4
AF810R	250	10	16	700	27.6	1100	43.3	1960	77.2	2405	94.7	3940	155.1
AF810NL	250	10	14	595	23.4	900	35.4	2194	86.4	2437	96.1	3870	152.4
AF810X	250	10	16	720	28.4	1100	43.3	2700	106.3	3145	123.8	5420	213.4
AF812R	300	12	16	720	28.4	1100	43.3	2700	106.3	3145	123.8	5420	213.4
AF814R	350	14	18	770	30.3	1270	50.0	2700	106.3	3145	123.8	5420	213.4
AF816R	400	16	18	770	30.3	1270	50.0	2700	106.3	3145	123.8	5420	213.4
AF816X	400	16	24	925	36.4	1270	50.0	2705	106.5	3150	124.0	5420	213.4

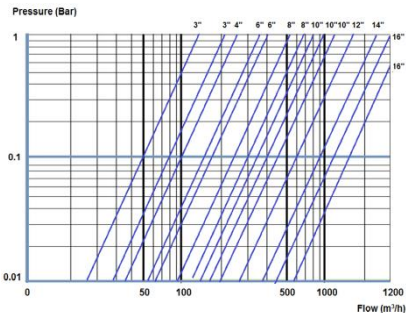


Model	In/Out D (mm) (in)		Shipping Weight (kg) (lb)		Packing Volume LxWxH	
	(mm)	(in)	(kg)	(lb)	(m)	(ft)
AF803N	75	3	110	243	1.63x0.87x0.60	5.35x2.85x1.97
AF804NL	100	4	135	298	1.97x0.77x0.60	6.46x2.53x1.97
AF804NX	100	4	154	340	2.37x0.77x0.60	7.78x2.53x1.97
AF806NL	150	6	147	324	1.97x0.77x0.60	6.46x2.53x1.97
AF806NX	150	6	157	346	2.37x0.77x0.60	7.78x2.53x1.97
AF808NR	200	8	168	370	2.37x0.77x0.63	7.78x2.53x2.07
AF808NL	200	8	187	412	2.60x0.87x0.63	8.53x2.85x2.07
AF810R	250	10	316	697	2.85x1.00x0.60	9.35x3.28x1.97
AF810NL	250	10	212	467	2.60x0.87x0.63	8.53x2.85x2.07
AF810X	250	10	405	893	3.37x1.00x0.73	11.1x3.28x2.40
AF812R	300	12	410	904	3.37x1.00x0.73	11.1x3.28x2.40
AF814R	350	14	482	1063	3.37x1.00x0.73	11.1x3.28x2.40
AF816R	400	16	500	1102	3.37x1.00x0.73	11.1x3.28x2.40
AF816X	400	16	695	1532	3.37x1.20x0.98	11.1x3.94x3.22

Model	In/Out D		Maximum Flow Rate		Screen area		Flushing Flow Rate		Flushing volume	
	(mm)	(in)	(m ³ /h)	(gpm)	(cm ²)	(in ²)	(m ³ /h)	(gpm)	(m ³)	(gallon)
AF803NL	75	3	50	220	3220	500	30	132	0.083	21.9
AF804NL	100	4	80	350	5780	895	30	132	0.083	21.9
AF804NX	100	4	100	440	8410	1303	30	132	0.083	21.9
AF806NL	150	6	150	660	5780	895	30	132	0.083	21.9
AF806NX	150	6	160	700	8410	1303	30	132	0.083	21.9
AF808NR	200	8	250	1100	5780	895	30	132	0.083	21.9
AF808NL	200	8	300	1320	8410	1303	30	132	0.083	21.9
AF810R	250	10	350	1540	8090	1254	60	264	0.166	43.8
AF810NL	250	10	400	1760	8410	1304	30	132	0.083	21.9
AF810X	250	10	450	2000	11710	1815	90	396	0.249	65.7
AF812R	300	12	600	2640	11710	1815	90	396	0.249	65.7
AF814R	350	14	900	4000	12990	2013	90	396	0.249	65.7
AF816R	400	16	1100	4850	12990	2013	90	396	0.249	65.7
AF816X	400	16	1500	6600	17020	2638	90	396	0.249	65.7

* Maximum recommended Flow Rate - 120 micron in good quality water

Pressure loss at 120 micron

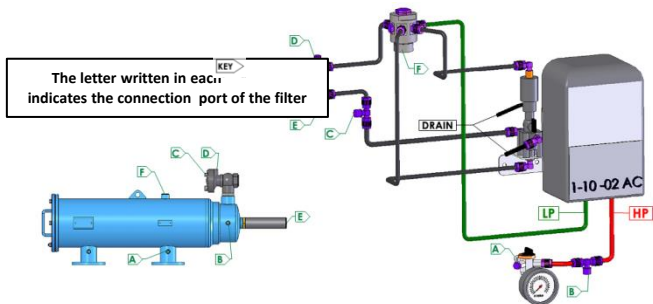


Maximum Flow (m³/h)

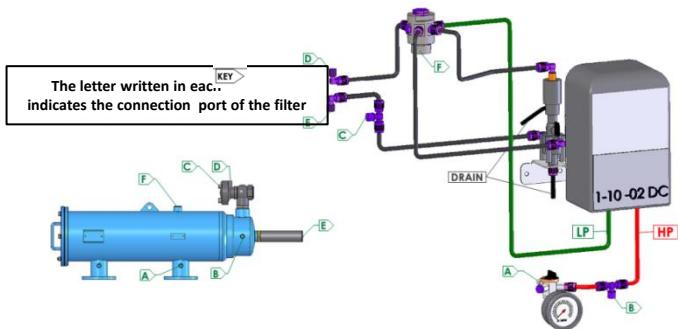
	Water quality	AF-803L 3"	AF-804L 4"	AF-804X 4"	AF-806L 6"	AF-806X 6"	AF-808L 8"	AF-810L 10"
200μ	Good	50		100	150	160	300	400
	Regular	30	80	60	90	100	180	240
	Bad	28		55	55	95	150	225
100-150μ	Good	50		100	150	160	300	400
	Regular	25	80	45	68	78	145	180
	Bad	22		42	54	74	130	170

Water quality: good - < 15 mg/l; regular - 15-30 mg/l; bad - 50-100 mg/l

AF800- AC Control System Setup

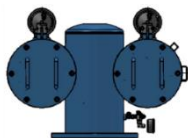


AF800- DC Control System Setup

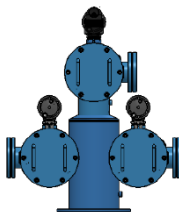


SPECIAL CONFIGURATIONS

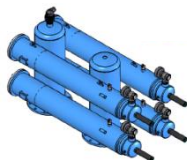
DOUBLE



TRIPLE

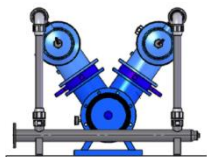


QUADRUPLE

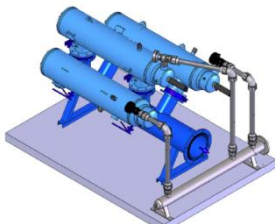
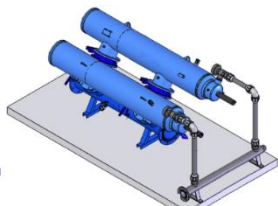
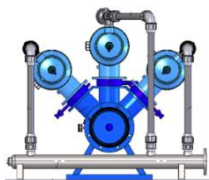


SPECIAL CONFIGURATIONS – CUT VALVE

DOUBLE



TRIPLE



A photograph of a nuclear power plant at night, featuring a large cooling tower and various industrial structures illuminated against a dark blue sky. The lights from the plant are reflected in a body of water in the foreground. A brown banner is overlaid on the image.

Automatic Electric Filters

YAMIT
FILTRATION

Applications: screen filter with automatic electric flushing

Standard Characteristics:

- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder.
Optional – multi layered Stainless Steel Screen
- **Available filtration grades:** 10-3000 micron
- **Filter housing and connections:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic and Flange
- **Maximum recommended working pressure:** up to 10 bar (145 psi).
- **Minimum operating working pressure during flushing:** 1 bar (14.5 psi)
- Equipped with an electronic control system 110V, 220V or 380-440V 3-phase, 0,25 HP

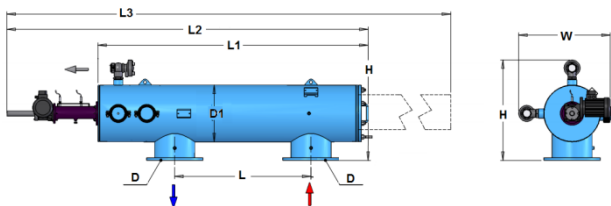
Operation:

The flushing valve opens and pressure in the flushing chamber and the dirt collector is significantly lowered resulting in a suction process via the suction nozzles to the dirt collector and from there through the flushing valve discharge. The electric motor simultaneously rotates the dirt collector and moves it along its axis. The combination of the vertical movement and rotation guarantees that the suction nozzles will cover the entire internal screen surface, efficiently cleaning the screen. The whole process takes 15 seconds. During the whole process water supply is uninterrupted.



Model	In/Out D		D1	H		L		L1		L2		L3		W	
	(mm)	(in)		(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
AF903	75	3	10	625	24.6	450	17.7	1108	43.6	1843	72.6	2310	90.9	648	25.5
AF904	100	4	10	625	24.6	600	23.6	1305	51.4	2040	80.3	2710	106.7	648	25.5
AF906	150	6	16	760	29.9	750	29.5	1410	55.5	2145	84.4	3150	124.0	716	28.2
AF908	200	8	18	810	31.9	750	29.5	1410	55.5	2145	84.4	3150	124.0	740	29.1
AF910	250	10	18	810	31.9	900	35.4	1934	76.1	2669	105.1	4210	165.8	740	29.1
AF912	300	12	18	810	31.9	1100	43.3	2182	85.9	2917	114.8	4700	185.0	740	29.1
AF914	350	14	24	965	37.9	900	35.4	1945	76.6	2680	105.5	4200	165.4	901	35.5
AF916	400	16	24	965	37.9	1100	43.3	2155	84.8	2895	113.9	4640	182.9	901	35.5
AF916	400	16	24	900	35.4	1270	50.0	2675	105.3	3415	134.5	5680	223.6	696	27.4

**** flushing flow rate data is for minimum operational pressure 1 bar (21.8 psi).**

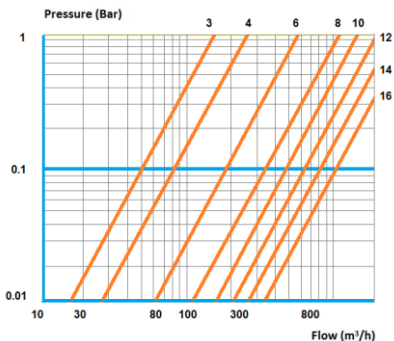


Model	In/Out D		Shipping Weight		Packing Volume LxWxH	
	(mm)	(in)	(kg)	(pound)	(m)	(ft)
AF903	75	3	187	412	2.1x0.78x0.87	7.0x2.6x2.9
AF904	100	4	203	448	2.3x0.78x0.87	7.8x2.6x2.9
AF906	150	6	330	727	2.4x0.89x1.08	8.0x2.9x3.6
AF908	200	8	378	833	2.4x0.89x1.08	8.0x2.9x3.6
AF910	250	10	435	959	2.9x0.90x1.08	9.7x2.9x3.6
AF912	300	12	460	1014	3.1x0.93x1.10	10.4x3.0x3.6
AF914	350	14	620	1367	3.1x1.10x1.23	10.4x3.6x4.0
AF916	400	16	670	1477	3.2x1.10x1.23	10.6x3.6x4.0
AF916X	400	16	750	1653	3.5x1.13x1.23	11.7x3.6x4.0

Model	In/Out ØD (mm) (in)		Max. Flow Rate (m ³ /h) (gpm)		Screen area (cm ²) (in ²)		Flushing Flow rate (m ³ /h) (gpm)		Flushing volume (m ³) (gal)	
AF903PR	80	3	50	220	3220	500	25	111	0.104	27.5
AF904PR	100	4	80	350	4500	697	25	111	0.104	27.5
AF906PR	150	6	180	793	6330	981	25	111	0.104	27.5
AF908PR	200	8	350	1540	7030	1089	25	111	0.104	27.5
AF910PR	250	10	450	2000	8970	1390	25	111	0.104	27.5
AF912PR	300	12	600	2640	10920	1692	25	111	0.104	27.5
AF914PR	350	14	850	3743	11760	1823	25	111	0.104	27.5
AF916PR	400	16	1100	4850	14310	2218	25	111	0.104	27.5
AF916XLOPR	400	16	1500	6600	17020	2638	25	111	0.104	27.5

* Maximum recommended Flow Rate - 120 micron in good quality water

Pressure loss at 120 micron



Applications: screen filter with automatic electric flushing

Standard Characteristics:

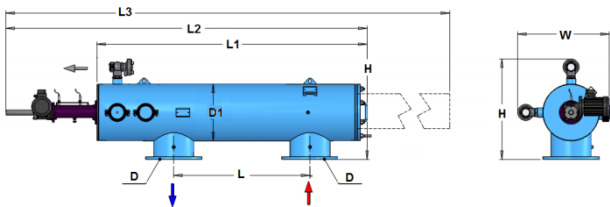
- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder.
Optional – multi layered Stainless Steel Screen
- **Available filtration grades:** 50-3000 micron
- **Filter housing and connections:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic and Flange
- **Maximum recommended working pressure:** up to 10 bar (145 psi).
- **Minimum operating working pressure during flushing:** 1.5 bar (21.8 psi)
- Equipped with an electronic control system 110V, 220V or 380-440V 3-phase, 0,25 HP

Operation:

The flushing valve opens and pressure in the flushing chamber and the dirt collector is significantly lowered resulting in a suction process via the suction nozzles to the dirt collector and from there through the flushing valve discharge. The electric motor simultaneously rotates the dirt collector and moves it along its axis. The combination of the vertical movement and rotation guarantees that the suction nozzles will cover the entire internal screen surface, efficiently cleaning the screen. The whole process takes 10 seconds. During the whole process water supply is uninterrupted.



Model	In/Out D		D1	H		L		L1		L2		L3		W	
	(mm)	(in)		(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
AF9803N	75	3	10	545	21.4	450	17.7	1227	48.3	1473	58.0	2040	80.3	430	16.9
AF9804NL	100	4	10	545	21.4	900	35.4	1623	63.8	1873	73.7	2820	111.0	430	16.9
AF9804NX	100	4	10	545	21.4	900	35.4	2019	79.5	2265	89.2	3620	142.6	430	16.9
AF9806NL	150	6	12	580	22.8	900	35.4	1692	35.4	1938	66.6	2890	76.3	430	113.8
AF9806NX	150	6	10	555	21.8	900	35.4	2089	82.2	2335	91.9	3680	144.9	430	16.9
AF9808NL	200	8	12	580	22.8	900	35.4	2278	89.7	2524	99.4	3870	152.4	430	16.9
AF9808NR	200	8	12	580	22.8	900	35.4	1882	74.1	2128	83.8	3075	121.1	430	16.9
AF9810NL	250	10	14	595	23.4	900	35.4	2282	89.8	2528	99.5	3870	152.4	470	18.5
AF9810R	250	10	16	720	28.4	1100	43.3	2047	80.6	2493	98.1	3940	155.1	492	19.4
AF9810X	250	10	16	720	28.4	1100	43.3	2787	109.7	3233	127.3	5420	213.4	492	19.4
AF9812R	300	12	16	655	25.8	1100	43.3	2787	109.7	3233	127.3	5420	213.4	518	20.4
AF9814R	350	14	18	770	30.3	1270	50.0	2787	109.7	3233	127.3	5420	213.4	579	22.8
AF9816R	400	16	18	770	30.3	1270	50.0	2787	109.7	3233	127.8	5420	213.4	604	23.7
AF9816X	400	16	24	925	36.4	1270	50.0	2792	109.9	3238	127.5	5420	213.4	696	27.4

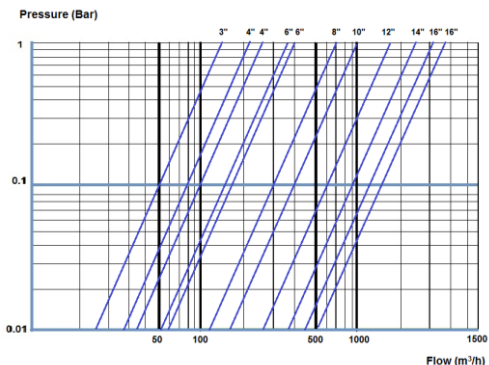


Model	In/Out D		Packing Weight		Packing Volume	
	(mm)	(inch)	(kg)	(lb)	L*W*H (m)	(ft)
AF9803N	75	3	128	282	0.87x0.6x1.6	2.85x1.97x5.4
AF9804NL	100	4	153	337	0.77x0.6x2.0	2.53x1.97x6.5
AF9804NX	100	4	172	379	0.77x0.6x2.4	2.53x1.97x7.8
AF9806NL	150	6	165	364	0.77x0.6x2.4	2.53x1.97x7.8
AF9806NX	150	6	175	386	0.77x0.6x2.4	2.53x1.97x7.8
AF9808NR	200	8	186	410	0.77x0.6x2.4	2.53x1.97x7.8
AF9808NL	200	8	205	452	0.87x0.63x2.6	2.85x1.97x8.5
AF9810NL	250	10	230	507	0.87x0.63x2.6	2.85x1.97x8.5
AF9810X	250	10	423	932	1.0x0.83x3.4	3.28x2.72x11.0
AF9812R	300	12	428	944	1.0x0.83x3.4	3.28x2.72x11.0
AF9814R	350	14	500	1102	1.0x0.83x3.4	3.28x2.72x11.0
AF9816R	400	16	518	1142	1.0x0.83x3.4	3.28x2.72x11.0
AF9816X	400	16	713	1572	1.2x0.98x3.4	3.94x3.22x11.0

Model	Int/Outlet ØD		Max. Flow Rate		Screen area		Flushing Flow rate		Flushing Volume	
	(mm)	(in)	(m ³ /h)	(gpm)	(cm ²)	(in ²)	(m ³ /h)	(gpm)	(m ³)	(gal)
AF9803NL	75	3	50	220	3220	499	30	130	0.083	18.84
AF9804NL	100	4	80	440	5780	896	30	130	0.083	18.84
AF9804NX	100	4	100	440	8410	1304	30	130	0.083	18.84
AF9806NL	150	6	150	660	5780	896	30	130	0.083	18.84
AF9806NX	150	6	160	700	8410	1304	30	130	0.083	18.84
AF9808NL	200	8	300	1320	8410	1304	30	130	0.083	18.84
AF9808NR	200	8	300	1320	8410	1304	30	130	0.083	18.84
AF9810NL	250	10	400	1760	8410	1304	30	130	0.083	18.84
AF9810R	250	10	400	1760	8410	1304	30	130	0.083	18.84
AF9810X	250	10	400	1760	8410	1304	30	130	0.083	18.84
AF9812R	300	12	600	2640	11710	1815	30	130	0.083	18.84
AF9814R	350	14	900	3960	12990	2013	30	130	0.083	18.84
AF9816R	400	16	1100	4850	12990	2013	30	130	0.083	18.84
AF9816X	400	16	1500	6600	17020	2638	30	130	0.083	18.84

* Maximum recommended Flow Rate - 120 micron in good quality water

Pressure loss at 120 micron



Applications: Compact screen filters with automatic back flushing

Standard Characteristics:

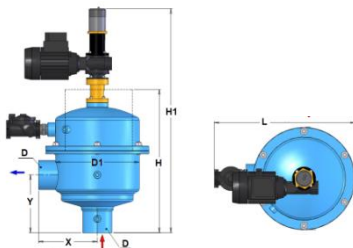
- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder.
Optional – multi layered Stainless Steel Screen
- **Available filtration grades:** from 50 -3000 micron
- **Filter housing material of construction:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic, Threaded socket and Flange
- **Maximum recommended working pressure:** up to 10 bar (145 psi).
- **Minimum operating working pressure during flushing:** 1.5 bar (21.8 psi)
- Equipped with an electronic control system 110V, 220V or 380-440V 3-phase, 0,25 HP

Operation:

Cleaning of the screen is performed automatically once the pressure loss (ΔP) across the filter has reached the preset value up to 0.5 bar (7psi). The flushing valve opens, pressure is released from the hydraulic piston, and debris laden water is discharged through the flushing valve. The electric motor simultaneously rotates the dirt collector and moves it along its axis. The combination of the vertical movement and rotation guarantees that the suction nozzles will cover the entire internal screen surface, efficiently cleaning the screen. The whole process takes 5seconds. During the whole process water supply is uninterrupted. The flushing valve closes at the end of the cycle, pressure reapplied to the piston, moving the nozzles back to their rest position, and the filter is cleaned. During the whole process water supply is uninterrupted.



Model	D		D1 (in)	X		Y		H		H1		L	
	In/Out (mm)	(in)		(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
AF202E	50	2	10	220	8.66	197	7.76	475	18.7	737	29.0	465	18.31
AF202EX	50	2	10	220	8.66	197	7.76	615	24.2	860	33.8	465	18.31
AF203E	75	3	10	220	8.66	197	7.76	475	18.7	737	29.0	465	18.31
AF203EX	75	3	10	220	8.66	210	8.27	615	24.2	860	33.8	465	18.31
AF204E	100	4	10	220	8.66	210	8.27	615	24.2	860	33.8	465	18.31
AF204EX	100	4	10	220	8.66	315	12.4	1145	45.1	1150	45.3	585	23.04
AF206E	150	6	10	220	8.66	400	15.75	1380	54.3	1575	62.0	585	23.04
AF208E	200	8	16	303	11.93	450	17.72	1449	57.0	1700	66.9	642	25.26

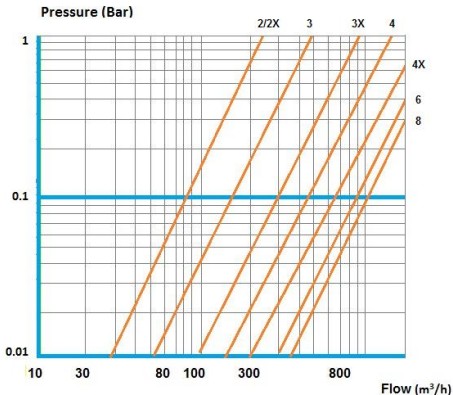


Model	D		Shipping Weight		Packing Volume	
	In/Out (mm)	(in)	(kg)	(pd)	L*W*H (m)	(ft)
AF202E	50	2	43	95	0.77x0.58x0.58	2.53x1.90x1.90
AF202EX	50	2	47	103	0.87x0.58x0.58	2.85x1.90x1.90
AF203E	75	3	45	95	0.77x0.58x0.58	2.53x1.90x1.90
AF203EX	75	3	48	105	0.87x0.58x0.58	2.85x1.90x1.90
AF204E	100	4	50	110	0.87x0.58x0.58	2.85x1.90x1.90
AF204EX	100	4	70	154	1.22x0.68x0.68	4.00x2.23x2.23
AF206E	150	6	90	198	1.41x0.68x0.68	4.26x2.23x2.23
AF208E	200	8	150	331	1.43x0.87x0.83	4.69x2.85x2.72

Model	In/Out ØD (mm) (in)		Max. flow rate (m ³ /h) (gpm)		Screen Area (cm ²) (in ²)		Flushing Flow rate (m ³ /h) (gpm)		Flushing volume (m ³) (gal)	
AF202E	50	2	30	132	1100	253	6	26	0.0083	2.2
AF202EX	50	2	30	132	1630	170	6	26	0.0083	2.2
AF203E	75	3	40	176	1100	253	6	26	0.0083	2.2
AF203EX	75	3	50	220	1630	170	6	26	0.0083	2.2
AF204E	100	4	80	352	1630	170	6	26	0.0083	2.2
AF204EX	100	4	90	396	2770	430	12	52	0.0166	4.38
AF206E	150	6	130	572	4120	640	12	52	0.0166	4.38
AF208E	200	8	200	880	5240	812	12	52	0.0166	4.38

* Maximum recommended Flow Rate - 120 micron in good quality water

Pressure loss at 120 micron



Applications: Compact screen filters with automatic back flushing

Standard Characteristics:

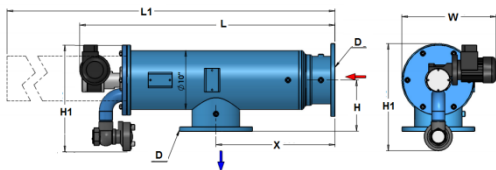
- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder.
Optional – multi layered Stainless Steel Screen
- **Available filtration grades:** from 200-3000 micron
- **Filter housing material of construction:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Victaulic, Threaded socket and Flange
- **Maximum recommended working pressure:** up to 10 bar (145 psi).
- **Minimum operating working pressure during flushing:** 1 bar (14.5 psi)
- Equipped with an electronic control system 110V, 220V or 380-440V 3-phase, 0,25 HP

Operation:

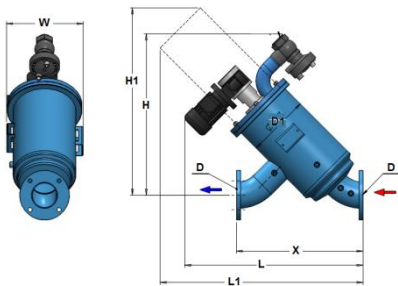
Cleaning of the screen is performed automatically once the pressure loss (ΔP) across the filter has reached the preset value up to 0.5 bar (7psi). The flushing valve opens, and debris laden water is discharged through the flushing valve. The electric motor rotates the Brushes and as a result the brushes traverse the entire screen removing trapped debris. The entire process lasts for just a few seconds



Model	In/Out D		D1 (in)	X		L		L1		H		H1		W	
	(mm)	(in)		(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
AF7504IF	100	4	10	550	21.7	775	30.5	882	34.7	701	27.6	814	32.0	333	13.1
AF7504F	100	4	10	350	13.8	778	30.7	1060	41.7	237	9.3	490	19.3	435	17.1
AF7506IF	150	6	10	650	25.6	965	38.0	1214	47.8	860	33.9	1114	43.9	333	13.1
AF7506F	150	6	10	450	17.7	982	38.7	1450	57.1	237	9.3	490	19.3	430	16.9
AF7508IF	200	8	10	650	25.6	1197	47.2	1543	60.8	879	34.6	1056	41.6	337	13.3
AF7508F	200	8	10	550	21.7	1180	46.5	1850	72.8	237	9.3	496	19.5	436	17.2
AF708F	200	8	16	350	13.8	882	34.7	1200	47.3	323	12.7	682	26.9	502	19.8
AF710F	250	10	16	450	17.7	1096	43.2	1630	64.2	323	12.7	682	26.9	470	18.5
AF712F	300	12	16	550	21.7	1310	51.6	2060	81.1	323	12.7	682	26.9	496	19.5
AF714F	350	14	16	550	21.7	1310	51.6	2060	81.1	323	12.7	682	26.9	531	20.9
AF716F	400	16	24	600	23.6	1338	52.7	2080	81.9	450	17.7	868	34.2	643	25.3



Model AF708-AF716
AF7504BL-AF7506BL-F7508BL



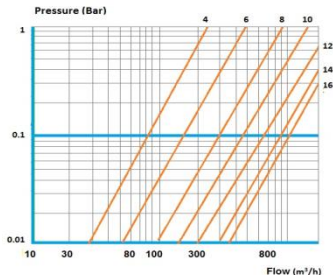
Model AF7504BIL-AF7506BIL-AF7508BIL

Model	In/Out D		Shipping Weight		Packing Volume LxWxH	
	(mm)	(in)	(kg)	(pound)	(m)	(ft)
AF7504IF	100	4				
AF7504F	100	4	108	238	1.33x0.68x0.65	4.4x2.2x2.1
AF7506IF	150	6				
AF7506F	150	6	124	273	1.43x0.68x0.65	4.7x2.2x2.1
AF7508IF	200	8				
AF7508F	200	8	140	309	1.53x0.68x0.65	8.0x2.2x2.1
AF708F	200	8				
AF710F	250	10	206	454	1.33x0.83x0.83	4.4x2.7x2.7
AF712F	300	12	241	531	1.5x1.00x0.87	4.9x3.3x2.8
AF714F	350	14	263	580	1.5x1.2x0.87	4.9x3.9x2.8
AF716F	400	16	408	900	1.7x1.2x1.05	5.6x3.9x3.4

Model	In/Out ØD		Max Flow Rate		Screen Area		Flushing Flow Rate		Flushing volume	
	(mm)	(in)	(m ³ /h)	(gpm)	(cm ²)	(in ²)	(m ³ /h)	(gpm)	(m ³)	(gal)
AF7504BL	100	4	80	352	2910	451	25	110	0.069	18.2
AF7506BL	150	6	160	705	4190	649	25	110	0.069	18.2
AF7508BL	200	8	300	1320	5470	848	25	110	0.069	18.2
AF710BL	250	10	450	1981	5880	911	25	110	0.069	18.2
AF712BL	300	12	650	2862	7630	1183	25	110	0.069	18.2
AF714BL	350	14	900	3963	7630	1183	25	110	0.069	18.2
AF716BL	400	16	1100	4843	11145	1727	25	110	0.069	18.2

* Maximum recommended Flow Rate – 200 micron in good quality water

Pressure loss at 200 micron





Automatic Mega Filters

YAMIT
FILTRATION

Applications: automatic self cleaning suction or brush, specially designed for very high flows up to 14.000 m³/h (61.600 gpm), combines the advantages of high quality filtration from different water sources (sewage, reservoirs, rivers, lakes, etc), with self-cleaning features, offering a continuous water supply.

Standard Characteristics:

- **Filter housing and connections:** Carbon Steel ST37.2
- **Inlet/outlet Vertical layout:** on an axis of 90° or 180°
Horizontal layout: Parallel
- **Connections:** Flanged, 16"-54" Intel/outlet
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Minimum operating working pressure during flushing:** 1 bar (14.5 psi)
- **Maximum recommended working pressure:** up to 10 bar (145 psi).
- **Maximum water temperature:** 65°C (149°F)
- **Minimum flushing flow (3" valve):** 50 m³/h,(220 GPM)
- **Clean screen pressure loss:** up to 0.1 bar (1.45 psi).
- **Filter element:** Stainless Steel screen AISI 316 mesh, supported by a PVC cylinder, 3 layered screen SST316L, or sintered screen SST316L
- **Filtration degree:** 20-3000 micron
- **Controller:** PLC Programmer with soft touch screen
- **Electric motor:** 0.25 HP
- **Control voltage:** 110V, 220V or 380-440V 3-phase



Filtration

Water enters the filter through the “inlet” and passes through the coarse screen that functions as a “first stop” for rough particles. Water then reaches the fine screen which further purifies the flow by separating smaller particles from the water. As more water flows through, impurities build up on the fine . As impurities on the screen accumulate, a pressure imbalance is built up between the internal section of the fine screen and the external section.

Cleaning process – “Flushing”

When the difference in pressure (DP) reaches the preset value on the differential pressure indicator, a series of events happen while the water continues to flow to the system units: the flushing valve opens, and water flows outside. Pressure in the hydraulic flushing chamber and the dirt collector is significantly lowered resulting in a suction process via the suction nozzles to the dirt collector, and from there, through the flushing valve, outside. The electric motor simultaneously rotates the dirt collector and the moves it along its axis. The combination of the linear movement and the rotation significantly clean the whole internal screen surface.

The flushing cycle continues as long as the pressure difference between the inlet and the outlet remains the same and according to the signals from the controller. If the pressure difference remains unchanged for a fixed reset time, the emergency flushing valve opens along with the normal flushing valve. The flushing cycle continues for an additional fixed time that was preset on the controller. Both the flushing valves close when the pressure difference on the pressostat drops. The operation of the electric motor is stopped after the collector axis reaches the internal or external limit switches. The filter is now ready for the next cycle, with clean and filtered water flowing throughout the “Outlet”.

Each Mega filter contains 2 or more screens in one filter body.

The flushing process can be programmed (on request) to work either each screen separately or in pairs.

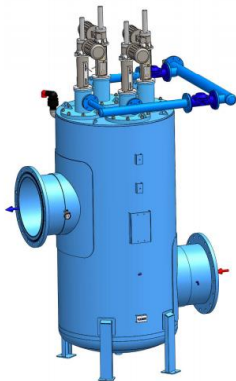
Filtration degree: from 20-3000 micron

****Hydraulic version available on request.**

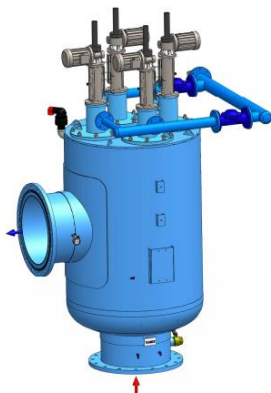


Technical Data

	Model	D (mm) (in)		No. of Screens	Screen Area (cm ²) (in)		Max. Flow Rate (m ³ /h) (in)		Flushing Flow Rate (m ³ /h) (in)		Flushing volume (m ³) (gal)	
In-Line	MGE3818IF	970	38	2	25911	4146	1300	5720	50	220	0.138	36.4
	MGE4320IF	1100	43	2	33862	5418	1690	7436	50	220	0.138	36.4
	MGE4824IF	1200	48	4	43549	6968	2180	9592	100	440	0.276	72.8
	MGE4824IF	1200	48	4	51821	8291	2590	11396	100	440	0.276	72.8
	MGE4826IF	1200	48	4	60094	9615	3000	13200	100	440	0.276	72.8
	MGE5626IF	1400	56	4	56914	9106	2850	12540	100	440	0.276	72.8
	MGE5628IF	1400	56	4	67725	10836	3390	14916	100	440	0.276	72.8
MGE5630IF	1400	56	4	78536	12566	3930	17292	100	440	0.276	72.8	
On-Line	MGE3818AF	970	38	2	25911	4146	1300	5720	50	220	0.138	36.4
	MGE4320AF	1100	43	2	33862	5418	1690	7436	50	220	0.138	36.4
	MGE4824AF	1200	48	4	43549	6968	2180	9592	100	440	0.276	72.8
	MGE4824AF	1200	48	4	51821	8291	2590	11396	100	440	0.276	72.8
	MGE4826AF	1200	48	4	60094	9615	3000	13200	100	440	0.276	72.8
	MGE5626AF	1400	56	4	56914	9106	2850	12540	100	440	0.276	72.8
	MGE5628AF	1400	56	4	67725	10836	3390	14916	100	440	0.276	72.8
MGE5630AF	1400	56	4	78536	12566	3930	17292	100	440	0.276	72.8	



In-line



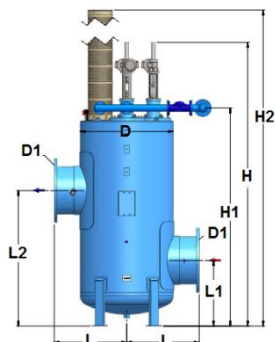
On-line

IN-LINE

	Model	D		D1*	L	L1	L2	H	H1	H2
		(mm)	(in)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
In-Line	MGE3818IF	970	38	450	735	730	1380	3395	2585	3900
	MGE4320IF	1100	43	500	800	815	1620	3535	2725	4040
	MGE4824IF	1200	48	600	935	940	1890	3420	2610	3710
	MGE4824IF	1200	48	600	935	940	1890	3685	2875	4190
	MGE4826IF	1200	48	650	935	940	1890	3950	3140	4670
	MGE5626IF	1400	56	650	1000	1015	2070	3545	2735	3835
	MGE5628IF	1400	56	700	1000	1015	2070	3810	3000	4315
	MGE5630IF	1400	56	750	1000	1015	2070	4075	3265	4795

	Model	D		D1*	L	L1	L2	H	H1	H2
		(mm)	(in)	(in)	(in)	(nch)	(nch)	(nch)	(nch)	(nch)
In-Line	MGE3818IF	970	38	18	28.9	28.7	54.3	133.7	101.8	153.5
	MGE4320IF	1100	43	20	31.5	32.1	63.8	139.2	107.3	159.1
	MGE4824IF	1200	48	24	36.8	37.0	74.4	134.6	102.8	146.1
	MGE4824IF	1200	48	24	36.8	37.0	74.4	145.1	113.2	165.0
	MGE4826IF	1200	48	26	36.8	37.0	74.4	155.5	123.6	183.9
	MGE5626IF	1400	56	26	39.4	40.0	81.5	139.6	107.7	151.0
	MGE5628IF	1400	56	28	39.4	40.0	81.5	150.0	118.1	169.9
	MGE5630IF	1400	56	30	39.4	40.0	81.5	160.4	128.5	188.8

* Can be changed according to the flow-rate



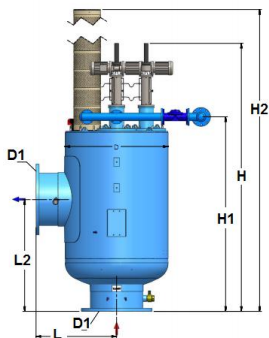
In-line

ON-LINE

	Model	D (mm) (in)		D1* (mm)	L (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)
On-Line	MGE3818AF	970	38	450	735	1300	2980	2170	3485
	MGE4320AF	1100	43	500	800	1300	3080	2270	3585
	MGE4824AF	1200	48	600	900	1300	2895	2085	3185
	MGE4824AF	1200	48	600	900	1300	3110	2300	3615
	MGE4826AF	1200	48	650	900	1300	3325	2515	4045
	MGE5626AF	1400	56	650	1000	1300	2915	2105	3205
	MGE5628AF	1400	56	700	1000	1300	3130	2320	3635
MGE5630AF	1400	56	750	1000	1300	3345	2535	4065	

	Model	D (mm) (in)		D1* (in)	L (in)	L2 (nch)	H (nch)	H1 (nch)	H2 (nch)
On-Line	MGE3818AF	970	38	18	28.9	51.2	117.3	85.4	137.2
	MGE4320AF	1100	43	20	31.5	51.2	121.3	89.4	141.1
	MGE4824AF	1200	48	24	35.4	51.2	114.0	82.1	125.4
	MGE4824AF	1200	48	24	35.4	51.2	122.4	90.6	142.3
	MGE4826AF	1200	48	26	35.4	51.2	130.9	99.0	159.3
	MGE5626AF	1400	56	26	39.4	51.2	114.8	82.9	126.2
	MGE5628AF	1400	56	28	39.4	51.2	123.2	91.3	143.1
MGE5630AF	1400	56	30	39.4	51.2	131.7	99.8	160.0	

* Can be changed according to the flow-rate

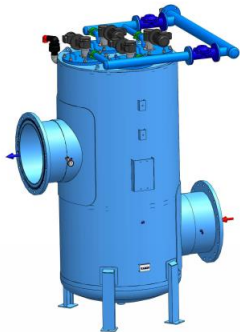


On-line

Applications: automatic self cleaning brush filter, specially designed for very high flows, combines the advantages of high quality filtration from different water sources of industrial, municipal and irrigation applications, with self-cleaning features, offering a continuous water supply.

Standard Characteristics:

- **Filter housing and connections:** Carbon Steel ST37.2
- **Inlet/outlet Vertical layout:** on an axis of 90° or 180°
Horizontal layout: Parallel
- **Connections:** Flanged, 16"-54" Inlet/outlet
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Minimum operating working pressure during flushing:** 1 bar (14.5 psi)
- **Maximum recommended working pressure:** up to 10 bar (145 psi).
- **Maximum water temperature:** 65°C (149°F)
- **Minimum flushing flow (3" valve):** 50 m³/h,(220 GPM)
- **Clean screen pressure loss:** up to 0.1 bar (1.45 psi).
- **Filter element:** Stainless Steel screen AISI 316 mesh, supported by a PVC cylinder, 3 layered screen SST316L, or sintered screen SST316L
- **Filtration degree:** 300-3000 micron
- **Controller:** PLC Programmer with soft touch screen
- **Electric motor:** 0.25 HP
- **Control voltage:** 110V, 220V or 380-440V 3-phase



Filtration

Water enters the filter through the “inlet” and passes through the fine screen, which purifies the flow by separating smaller particles from the water. As more water flows through, impurities build up on the fine screen and its external section.

Self-cleaning process - “Flushing”

When the difference in pressure (DP) reaches the preset value on the differential pressure indicator, or the dwell time between flushing passed, the following events happen while the water continues to flow to the system units: the controller transmits a signal for a 1- second flushing cycle; the flushing valve opens, pressure is released from the inner side of the fine screen; the electric motor simultaneously rotates the brushes around its axis; the brushes wipe all the dirt and efficiently clean the entire internal screen surface.

At the end of the 10 second cycle, the flushing valve closes and the operation of the electric motor is stopped. The filter is now ready for the next cycle, with clean and filtered water flowing throughout the “Outlet”.

The 10 second flushing cycle resumes operation whenever the difference in pressure reaches the preset pressure value set on the differential pressure indicator. If the pressure difference remains unchanged after one cycle, another cycle will start after a delay of 10 seconds.

Each Mega filter contains 2 or more screens in one filter body.

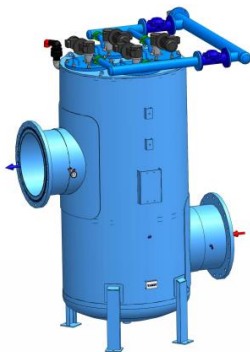
The flushing process can be programmed (on request) to work either each screen separately or in pairs.

Filtration degree: from 200-3000 micron

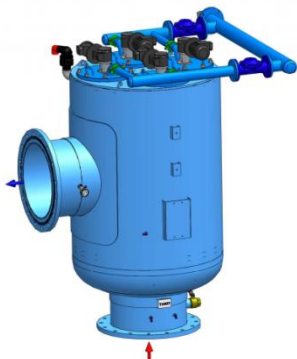


Technical Data

	Model	D		No. of Screens	Screen Area		Max. Flow Rate		Flushing Flow Rate		Flushing volume	
		(mm)	(in)		(cm ²)	(in)	(m ³ /h)	(in)	(m ³ /h)	(in)	(m ³)	(gal)
In-Line	MGB3820IF	970	38	2	25911	4146	1730	7612	50	220	0.138	36.4
	MGB4324IF	1100	43	2	33862	5418	2260	9944	50	220	0.138	36.4
	MGB4826IF	1200	48	4	43549	6968	2900	12760	100	440	0.276	72.8
	MGB4828IF	1200	48	4	51821	8291	3450	15180	100	440	0.276	72.8
	MGB4830IF	1200	48	4	60094	9615	4010	17644	100	440	0.276	72.8
	MGB5630IF	1400	56	4	56914	9106	3790	16676	100	440	0.276	72.8
	MGB5632IF	1400	56	4	67725	10836	4510	19844	100	440	0.276	72.8
	MGB5634IF	1400	56	4	78536	12566	5240	23056	100	440	0.276	72.8
On-Line	MGB3820AF	970	38	2	25911	4146	1730	7612	50	220	0.138	36.4
	MGB4324AF	1100	43	2	33862	5418	2260	9944	50	220	0.138	36.4
	MGB4826AF	1200	48	4	43549	6968	2900	12760	100	440	0.276	72.8
	MGB4828AF	1200	48	4	51821	8291	3450	15180	100	440	0.276	72.8
	MGB4830AF	1200	48	4	60094	9615	4010	17644	100	440	0.276	72.8
	MGB5630AF	1400	56	4	56914	9106	3790	16676	100	440	0.276	72.8
	MGB5632AF	1400	56	4	67725	10836	4510	19844	100	440	0.276	72.8
	MGB5634AF	1400	56	4	78536	12566	5240	23056	100	440	0.276	72.8



In-line



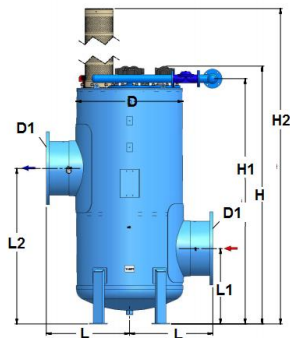
On-line

IN-LINE

	Model	D (mm) (in)		D1* (mm)	L (mm)	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)
In-Line	MGB3820IF	970	38	508	735	730	1530	2635	2525	3900
	MGB4324IF	1100	43	610	800	815	1720	2775	2660	4040
	MGB4826IF	1200	48	660	935	940	1990	2660	2545	3710
	MGB4828IF	1200	48	711	935	940	1990	2925	2810	4190
	MGB4830IF	1200	48	762	935	940	1990	3190	3075	4665
	MGB5630IF	1400	56	762	1000	1015	2170	2785	2675	3835
	MGB5632IF	1400	56	812	1000	1015	2170	3050	2940	4315
MGB5634IF	1400	56	864	1000	1015	2170	3315	3205	4795	

	Model	D (mm) (in)		D1* (in)	L (in)	L1 (in)	L2 (in)	H (in)	H1 (in)	H2 (nch)
In-Line	MGB3820IF	970	38	20	28.7	28.7	60.2	103.7	99.4	152.9
	MGB4324IF	1100	43	24	31.3	32.1	67.7	109.3	104.7	158.4
	MGB4826IF	1200	48	26	36.5	37.0	78.3	104.7	100.2	145.5
	MGB4828IF	1200	48	28	36.5	37.0	78.3	115.2	110.6	164.3
	MGB4830IF	1200	48	30	36.5	37.0	78.3	125.6	121.1	182.9
	MGB5630IF	1400	56	30	39.1	40.0	85.4	109.6	105.3	150.4
	MGB5632IF	1400	56	32	39.1	40.0	85.4	120.1	115.7	169.2
MGB5634IF	1400	56	34	39.1	40.0	85.4	130.5	126.2	188.0	

* Can be changed according to the flow-rate



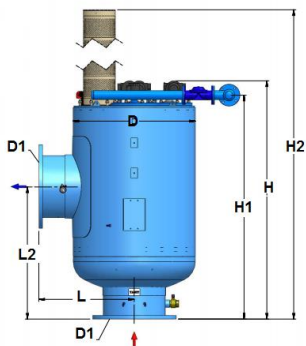
In-line

ON-LINE

	Model	D (mm) (in)		D1* (mm)	L (mm)	L1 (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)
On-Line	MGB3820AF	970	38	508	735	1300	2220	2525	3485	4885
	MGB4324AF	1100	43	610	800	1300	2320	2660	3585	4985
	MGB4826AF	1200	48	660	900	1300	2135	2545	3400	4800
	MGB4828AF	1200	48	711	900	1300	2350	2810	3615	5015
	MGB4830AF	1200	48	762	900	1300	2565	3075	3830	5230
	MGB5630AF	1400	56	762	1000	1300	2155	2675	3420	4820
	MGB5632AF	1400	56	812	1000	1300	2370	2940	3635	5035
MGB5634AF	1400	56	864	1000	1300	2585	3205	3850	5250	

	Model	D (mm) (in)		D1* (in)	L (in)	L1 (in)	L2 (in)	H (in)	H1 (in)	H2 (inch)
On-Line	MGB3820AF	970	38	20	28.7	51.2	87.4	99.4	137.2	192.3
	MGB4324AF	1100	43	24	31.3	51.2	91.3	104.7	141.1	196.3
	MGB4826AF	1200	48	26	35.2	51.2	84.1	100.2	133.9	189.0
	MGB4828AF	1200	48	28	35.2	51.2	92.5	110.6	142.3	197.4
	MGB4830AF	1200	48	30	35.2	51.2	101.0	121.1	150.8	205.9
	MGB5630AF	1400	56	30	39.1	51.2	84.8	105.3	134.6	189.8
	MGB5632AF	1400	56	32	39.1	51.2	93.3	115.7	143.1	198.2
MGB5634AF	1400	56	34	39.1	51.2	101.8	126.2	151.6	206.7	

* Can be changed according to the flow-rate



On-line

Application:

The automatic self-cleaning suction hydraulic types, specially designed for very high flows – up to 14,000 m³/h (61,600 gpm) combine the advantages of high quality filtration from different water sources (sewage, reservoirs, rivers, lakes, etc.), with a self-cleaning feature, offering the customer a continuous water supply.

The filter is comprised of one or several filtering elements in one body, enabling the user to enjoy the advantages of a sophisticated automatic filter for high flows in a single body, saving footprint and the need for a battery of filters. The filter uses the water pressure for the self-cleaning process, eliminating the need for a power supply.

The filters are designed for use in a wide range of industrial, municipal and irrigation applications.

Standard Characteristics:

- Inlet/outlet parallel, on an axis of 90° or 180°.
- The filters are electrostatically coated with polyester or epoxy coating at a thickness of 150-200 µm and oven cured.
- Filters are supplied with a stainless steel screen on PVC support, available in varying micron sizes as needed: 80-3000 µm (for additional screen options, please contact YAMIT).
- Maximum recommended working pressure: up to 10 bar (145 psi).
- Minimum operating working pressure during flushing: 2 bar (29 psi).
- Maximum water temperature: 65°C (149°F)
- Clean screen pressure loss: <0.1 bar (1.45 psi).
- Minimum flushing flow (3" valve): 50 m³/h (220 gpm)
- Filters vessel diameter: 970-1400 mm (38"-56")

A time basis backup (preset by the customer), guarantees that the flushing cycle will occur even if the head loss has not reached the preset value.



Filtration

Water enters the filter through the “inlet” and passes through the coarse screen, that functions as a “first stop” for rough particles. Water then reaches the fine screen, which further purifies the flow by separating smaller particles from the water. As more water flows through, impurities build up on the fine screen. As impurities on the screen accumulate, a pressure imbalance is built up between the internal section of the fine screen and its external section.

Self-cleaning process - “Flushing”

When the difference in pressure (DP) reaches the preset value on the differential pressure indicator, the following events happen while the water continues to flow to the system units: the flushing valve opens, pressure is released from the hydraulic piston, and water flows outside; pressure in the hydraulic motor chamber and the dirt collector is significantly lowered, and the dirt collector nozzles begin a suction process; the water flows through the hydraulic motor which rotates the dirt collector around its axis; the pressure released from the piston and the high pressure inside the filter cause linear movement of the dirt collector; the combination of the linear movement and rotation significantly clean the whole internal screen surface.

The flushing process takes 10 seconds. The flushing valve closes at the end of the cycle and the increased water pressure returns the hydraulic piston to its initial position. The filter is now ready for the next cycle while clean and filtered water flows through the “Outlet”. During the whole process water supply is uninterrupted.

Each Mega filter contains 2 or more screens in one filter body.

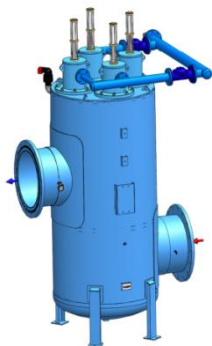
The flushing process can be programmed (on request) to work either each screen separately or in pairs.

Filtration degree: 80-3000 μm

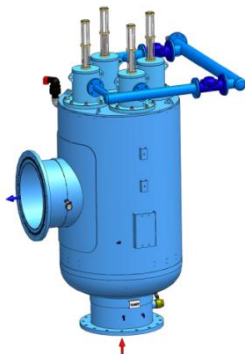


Technical Data

	Model	D (mm) (in)		No. of Screens	Screen Area (cm ²) (in)		Max. Flow Rate (m ³ /h) (in)		Flushing volume (m ³) (gal)	
In-Line	MGH3818IF	970	38	2	25911	4146	1300	5720	0.138	36.4
	MGH4320IF	1100	43	2	33862	5418	1690	7436	0.138	36.4
	MGH4824IF	1200	48	4	43549	6968	2180	9592	0.276	72.8
	MGH4824IF	1200	48	4	51821	8291	2590	11396	0.276	72.8
	MGH4826IF	1200	48	4	60094	9615	3000	13200	0.276	72.8
	MGH5626IF	1400	56	4	56914	9106	2850	12540	0.276	72.8
	MGH5628IF	1400	56	4	67725	10836	3390	14916	0.276	72.8
	MGH5630IF	1400	56	4	78536	12566	3930	17292	0.276	72.8
On-Line	MGH3818AF	970	38	2	25911	4146	1300	5720	0.138	36.4
	MGH4320AF	1100	43	2	33862	5418	1690	7436	0.138	36.4
	MGH4824AF	1200	48	4	43549	6968	2180	9592	0.276	72.8
	MGH4824AF	1200	48	4	51821	8291	2590	11396	0.276	72.8
	MGH4826AF	1200	48	4	60094	9615	3000	13200	0.276	72.8
	MGH5626AF	1400	56	4	56914	9106	2850	12540	0.276	72.8
	MGH5628AF	1400	56	4	67725	10836	3390	14916	0.276	72.8
	MGH5630AF	1400	56	4	78536	12566	3930	17292	0.276	72.8



In-line

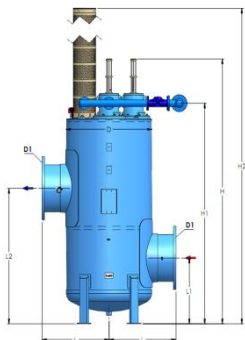


On-line

IN-LINE

	Model	D		D1	L	L1	L2	H	H1	H2
		(mm)	(in)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
In-Line	MGH3818IF	970	38	450	735	730	1380	3050	2615	3900
	MGH4320IF	1100	43	500	800	815	1620	3190	2755	4040
	MGH4824IF	1200	48	600	935	940	1890	3075	2640	3710
	MGH4824IF	1200	48	600	935	940	1890	3340	2905	4190
	MGH4826IF	1200	48	650	935	940	1890	3605	3170	4670
	MGH5626IF	1400	56	650	1000	1015	2070	3200	2765	3835
	MGH5628IF	1400	56	700	1000	1015	2070	3465	3030	4315
MGH5630IF	1400	56	750	1000	1015	2070	3730	3295	4795	

	Model	D		D1	L	L1	L2	H	H1	H2
		(mm)	(in)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
In-Line	MGH3818IF	970	38	18	28.9	28.7	54.3	120.1	103.0	153.5
	MGH4320IF	1100	43	20	31.5	32.1	63.8	125.6	108.5	159.1
	MGH4824IF	1200	48	24	36.8	37.0	74.4	121.1	103.9	146.1
	MGH4824IF	1200	48	24	36.8	37.0	74.4	131.5	114.4	165.0
	MGH4826IF	1200	48	26	36.8	37.0	74.4	141.9	124.8	183.9
	MGH5626IF	1400	56	26	39.4	40.0	81.5	126.0	108.9	151.0
	MGH5628IF	1400	56	28	39.4	40.0	81.5	136.4	119.3	169.9
MGH5630IF	1400	56	30	39.4	40.0	81.5	146.9	129.7	188.8	

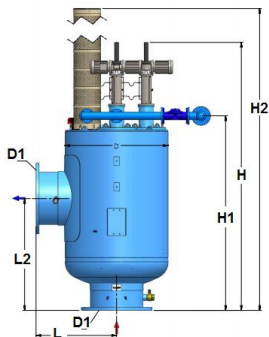


In-line

ON-LINE

	Model	D (mm) (in)		D1* (mm)	L (mm)	L2 (mm)	H (mm)	H1 (mm)	H2 (mm)
On-Line	MGH3818AF	970	38	450	735	1300	2635	2200	3485
	MGH4320AF	1100	43	500	800	1300	2735	2300	3585
	MGH4824AF	1200	48	600	900	1300	2550	2115	3185
	MGH4824AF	1200	48	600	900	1300	2765	2330	3615
	MGH4826AF	1200	48	650	900	1300	2980	2545	4045
	MGH5626AF	1400	56	650	1000	1300	2570	2135	3205
	MGH5628AF	1400	56	700	1000	1300	2785	2350	3635
MGH5630AF	1400	56	750	1000	1300	3000	2565	4065	

	Model	D (mm) (in)		D1* (in)	L (in)	L2 (nch)	H (nch)	H1 (nch)	H2 (nch)
On-Line	MGH3818AF	970	38	18	28.9	51.2	103.7	86.6	137.2
	MGH4320AF	1100	43	20	31.5	51.2	107.7	90.6	141.1
	MGH4824AF	1200	48	24	36.8	51.2	100.4	83.3	125.4
	MGH4824AF	1200	48	24	36.8	51.2	108.9	91.7	142.3
	MGH4826AF	1200	48	26	36.8	51.2	117.3	100.2	159.3
	MGH5626AF	1400	56	26	39.4	51.2	101.2	84.1	126.2
	MGH5628AF	1400	56	28	39.4	51.2	109.6	92.5	143.1
MGH5630AF	1400	56	30	39.4	51.2	118.1	101.0	160.0	



On-line

A photograph of a nuclear power plant at night. The central feature is a large, white, hourglass-shaped cooling tower, illuminated from below. To its left is a large, rectangular industrial building with a blue roof and several vertical light towers. The entire facility is set against a dark blue twilight sky. In the foreground, a body of water reflects the lights from the plant. A dark green horizontal bar is overlaid on the right side of the image, containing the text 'Pre-Pump Strainer' in white.

Pre-Pump Strainer

YAMIT
FILTRATION

Applications: pre-filtration to protect and extend the life of the pump and reduce the level of water solids.

Standard Characteristics:

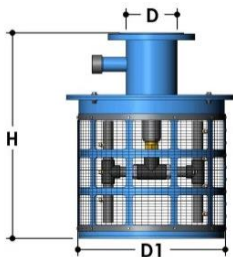
- **Body of strainer and connections:** Carbon Steel ST37.2
- **Pre-treatment:** sand blasting up to Sa 2.5 grade
- **Exterior & Interior coating:** electrostatic oven baked polyester-epoxy powder coating with a thickness of 150-200 micron
- **Connections:** Flange
- **Available filtration grades:** 1200 or 2500 micron
- **Available diameters:** 4" – 20" (other sizes are available on request)
- **Minimum operating working pressure for the flushing:** 1.5 bar (22 psi).
- The basket is equipped with a suction tube and accessories for the connection and operation of the mechanism of the hydraulic motor
- **Available Installation:** horizontal or vertical

Operation:

The PPS is installed submerged in the water source. When pumping starts, water flows through the screen and large suspended trash and solid dirt is accumulated on the outside of the screen preventing it from entering the pump and the water system. The screen is automatically self-cleaned by pressurized water sprayed from the nozzles, continuously rotating and covering the entire area of the screen (the rotation velocity is adjustable).



Model	Out D		D1		H	
	(mm)	(in)	(mm)	(in)	(mm)	(in)
PPS1004	100	4	478	18.82	520	20.47
PPS1006	150	6	478	18.82	670	26.38
PPS1008	200	8	478	18.82	870	34.25
PPS1010	250	10	748	29.45	790	31.1
PPS1012	300	12	748	29.45	970	38.19
PPS1014	350	14	1055	41.54	1025	40.35
PPS1016	400	16	1055	41.54	1025	40.35
PPS1018	450	18	1270	50	1032	40.63
PPS1020	500	20	1270	50	1032	40.63



Model	Out D		Shipping Weight		Packaging volume LxWxH	
	(mm)	(in)	(kg)	(lb)	(m)	(ft)
PPS1004	100	4	60	132	0.85x0.85x0.85	2.80x2.80x2.80
PPS1006	150	6	75	165	0.85x0.85x0.85	2.80x2.80x2.80
PPS1008	200	8	80	176	0.85x0.85*1.05	2.80x2.80x3.50
PPS1010	250	10	128	282	1.00*1.00*0.95	3.30x3.30x3.10
PPS1012	300	12	141	311	1.00*1.00*1.15	3.30x3.30x3.80
PPS1014	350	14	**	**	**	**
PPS1016	400	16	**	**	**	**
PPS1018	450	18	**	**	**	**
PPS1020	500	20	**	**	**	**

* Minimum working pressure for sprinkler operation: 2-3 bares (30-45 psi).

** On request

Model Number	Out D (in)	Recommended Flow rate			
		1200 μm (m ³ /h)	2500 μm (m ³ /h)	1200 μm (GPM)	2500 μm (GPM)
PPS1004	4	80	100	350	440
PPS1006	6	150	190	660	840
PPS1008	8	300	380	1320	1670
PPS1010	10	500	630	2200	2770
PPS1012	12	700	880	3080	3870
PPS1014	14	1000	1100	4400	4840
PPS1016	16	1380	1400	6080	6160
PPS1018	18	1750	2180	7700	9600
PPS1020	20	2200	2750	9690	12100

* Maximum recommended Flow Rate - 120 micron in good quality water





Selected Projects

YAMIT
FILTRATION



Copper and gold mine with annual production of 190,000 tons copper

Product	AF 916 PN25
Flow rate	17,000 m ³ /day X 4 Units
Structural Materials	Carbone steel with inner line neoprene Stainless Steel 904 SMO 254 Duplex Stainless Steel
Filtration Degree	100 µm
Pressure	25 Bar
Application	Pre-treatment for RO Membranes



Pre-treatment for RO Membranes production needs which are estimated at 68,000 m³/day of which 8% are desalinated utilizing Reverse Osmosis Membranes

- Water is pumped to an altitude of 2,300 meters to the mine.
- Requirement for a reliable filtering solution that can efficiently handle the large water capacity, high pressure and seawater conditions

The Solution: Yamit AF-900 Automatic hydraulic filters

- Minera Esperanza selected the Yamit AF-900 Automatic electric self cleaning filter as the main UF pre treatment solution in the desalination project.
- Filters constructed with seawater corrosion resistant materials and designed to operate with 25 Bar pressure
- Design was according to ASME supervised by third party inspection (TPI)



Palm Breweries, Belgium

Product	AF203XF X 3 stages automatic hydraulic filters
Flow rate	25 m ³ /h
Structural Materials	Carbon steel epoxy coated
Filtration Degree	150-100-50 microns
Pressure	
Application	Filtration of water for bottle-washing machine



Remove suspended solids as fine as 50 microns in order to reach the desired quality of water for bottle washing. Water contains Caustic Soda.

The Solution:

AF203XF x 3 stage automatic hydraulic self-cleaning filters 150–100–50 microns. 25 m³/h.



MAERSK

Maersk, Holland

Product	AF908X3 automatic electric filters
Flow rate	540 m3/h
Structural Materials	Carbon steel epoxy coated
Filtration Degree	150 microns
Pressure	10 bar
Application	Reuse of industrial Wastewater from casting process



Industrial Wastewater from casting process contaminated with pieces of metal and other impurities during cooling. If not eliminated, particles create “spots” on the hot metal sheets and reduce the efficiency of the cooling tower.

The Solution:

A complete water filtration systems for 540 m3/h with 3X908 automatic electric self-cleaning filter.

Results: an increase of 64% in production quality and saving of hundreds of maintenance working days.



Hortimax, Holland

Product	AF806 XLP automatic hydraulic filters
Flow rate	120 m3/h
Structural Materials	Carbon steel epoxy coated
Filtration Degree	3 stages: 120-80-50 microns
Pressure	10 bar
Application	Filtration of cooling water and UV protection



Filter cooling water and protect UV up to 30 microns in order to remove mussel larvae from the water.

The Solution:

AF806XLP X 3 stage filtration automatic hydraulic self-cleaning filters: 120-80-30 microns bring micron level of 30 micron. Filters also provide protection of UV.

A single controller for all 3 filters.



International producer of alkylamines and derivatives

Product	AF – 800 Automatic Hydraulic Filters
Flow rate	250 m3/h
Structural Materials	Carbon steel body SST 316L screen
Max. Pressure	10 bar
Filtration Degree	120 µm
Inlet/Outlet Pipe	8"
Client	Chemical Plant
Application	Ultra Filtration Membranes



The client's engineering team has defined the use of Ultra Filtration membranes as the main treatment method with a requirement to protect the UF membranes from blockage.

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The Solution: Yamit AF-800 Automatic hydraulic filters

- Taminco selected the Yamit Automatic Hydraulic self cleaning filters as - it's UF pre-treatment solution.
- The power consumption of the filter is significant low, due to the use of the hydraulic power of the water for cleaning
- Due to the high quality of the filtered water, the UF membranes were able to perform for long periods with less backwash sequences and minimum CIP procedures.



Sadaci Belgium

Product	AF808PR automatic hydraulic filters
Flow rate	150 m3/h
Structural Materials	Carbon steel epoxy coated
Filtration Degree	300 microns
Pressure	10 bar
Application	Cooling water



The Need:

Filtration of canal water for cooling towers.

The Solution:

AF808PR filter water at 150m3/h. unit is delivered with Crouzet PLC. All data can be given to external control panel



**MAERSK
OIL**

Off Shore Oil Drilling Platform

Product	AF-208 Automatic Hydraulic Filter
Flow rate	300 m ³ /h
Structural Materials	SMO Stainless Steel Titanium & Marine Bronze Stainless Steel 316 L Explosion Proof Enclosure
Filtration Degree	80 µm
Client	Off Shore Drilling Rig
Application	Pre-Treatment for RO Membrane Filtration for RO



- Maersk Oil drill platform located of the shore of Qatar utilizes desalinated sea water oil extraction process for injection into the drilling site.
- The system was designed to include filters to ensure removal of any impurities, such as shells, algae and suspended solids
- The filtration solutions had to be space, energy and operations efficient, with anti corrosion features

The Solution: Yamit AF-208 Automatic hydraulic filters

- The filter was designed to work at a 300m³/h capacity with a filtration degree of 80 µm
- The filter is mounted on an explosion proof enclosure and built from corrosion resistant structural materials
- The power consumption of the filter is significant low, due to the use of the hydraulic power of the water for cleaning

ABENGOA

Abengoa, Chile

Product	AF 912 automatic electric filters
Flow rate	550 m ³ /h x 2 units (1+1 R 100%)
Structural Materials	External – Carbon steel phenolic coated; Internal – Rubber lined
Filtration Degree	150 µm
Pressure	10 bar
Application	Pre-UF in a desalination project



The Need:

Desalination project – Pre-UF filtration

The Solution:

Yamit AF-912 automatic electric filter 1+1 redundancy



Veolia Water Solutions, Belgium

Product	AF816XLP automatic hydraulic self-cleaning filter
Flow rate	1800 m3/h
Structural Materials	Carbon steel epoxy coated body/HDPE manifold
Filtration Degree	80 microns
Pressure	10 bar
Application	Cooling tower side stream filtration



- The Need:**
- Removal of suspended solids to reduce under-deposit corrosion and biological growth
 - Reduction of water pipes contamination and improved.
 - Minimize maintenance, downtime, and water loss.

The Solution: 1 Yamit AF-816XLP automatic hydraulic filter. Filter together water down to 80 micron and 1800 m3/h. Built-in system in a 40 ft container on a HDPE manifold

Results: supply of high quality cooling water.



LG CHEM, Korea

Product	AF9808 LOPRN automatic electric filters
Flow rate	440 m3/h
Structural Materials	Carbon steel epoxy coated
Filtration Degree	120 micron
Pressure	10 at
Application	Industrial Wastewater from casting process



The Need:

Pre-filtration in a pure water process – wastewater reuse.

The Solution:

2 X AF-9808 LOPRN installed and in a test application
Motor and controller - explosion proof



Onshore oil reservoir with brackish water injection

Product	Mega 1400
Flow rate	8,890 m ³ /h (7 + 1 units)
Structural Materials	Carbon steel body inner lining and special external epoxy coating SST 904L screen
Filtration Degree	10 µm
Pressure	10 Bar
Certification	ASME U Stamp



The Need: Brackish Water Filtration

- The oil reservoir utilizes injected brackish water to increase the oil pressure
- To eliminate the risk of injection nozzles blockage, a pre-injection filtration process is required.
- Veolia has defined the use of media filtration to be followed by fine screen filters.
- The solution had to provide a high level of reliability, redundancy, ease of operation and operational efficiency.

The Solution: Mega 1400 Automatic Electric filters

- Veolia Dubai selected the Yamit Mega 1400 Automatic Electric Self-Cleaning Suction Fine Screen Filter
- The filters were provided skid mounted for fast installation on site and were design was ASME (VIII Div I) 'U' stamped

FLUXYS



Fluxys, Belgium

Product	AF816PR automatic hydraulic filters
Flow rate	1200 m ³ /h
Structural Materials	Carbon steel with Phenolic coating. Zinc Inoized protection.
Filtration Degree	300 microns
Pressure 16 bar	16 bar
Application	Fire emergency Sea water supply



Supply of sea water for fire emergencies – remove coarse suspended solids.

The Solution:

AF816PR automatic hydraulic self-cleaning filters that filter seawater at 300 micron, 1200 m³/h and 16 bar. Filter is protected with Zinc anodic protection and Novalac coating.



YAMIT
FILTRATION

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