

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

Type of Media:

- **Volcanic gravel**
- **Quartz Sand**
- **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.

Operation:

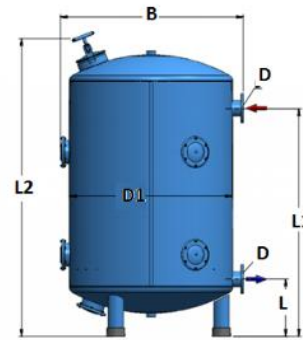
Water enters the filter via the inlet and spreads evenly onto the media.

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 starts when the DP reaches the **MAXIMUM** preset value of 0.5bar (7 psi) (a higher DP than 0.5 bar may damage the filter). The inlet of the filter closes, 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.

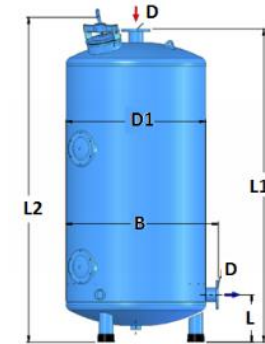


Model	D		D1		B		L		L1		L2	
	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
F6016		1.5	400	16	500	19.7	180	7.1	1580	62.2	1885	74.2
F6020		2	500	20	563	22.2	180	7.1	1675	65.9	2080	81.8
F6025		2	600	24	706	27.8	180	7.1	1675	65.9	2080	81.8
F6030		2	750	30	865	34.0	300	11.8	2052	80.8	2185	85.8
F6030S		2	750	30	865	34.0	300	11.8	1650	64.6	2185	85.8
F6036		2/3	900	36	970	38.19	300	11.8	1990	78.4	2121	83.5
F6036S		2/3	900	36	970	38.19	300	11.8	1600	62.9	2121	83.5
F6042		2/3	1066	42	1170	45.9	300	11.8	2045	80.5	2150	84.7
F6042S		2/3	1066	42	1170	45.9	300	11.8	1600	62.9	2150	84.7
F6048		2/3	1220	48	1343	52.9	420	16.5	2160	85.0	2246	88.4
F6048S		2/3	1220	48	1343	52.9	420	16.5	1670	65.8	2246	88.4
F6060		3/4	1520	60	1726	67.9	440	17.3	2360	97.7	2458	96.8
F6060S		3/4	1520	60	1726	67.9	440	17.3	1740	68.5	2458	96.8
F6064HM	80	3										
F6080HM	100	4										
F6088HM	100	4										
F6100HM	100	4										
F6120HM	150	6										

P = parallel inlet / Cylinder height – 1500 mm (59.05 in)

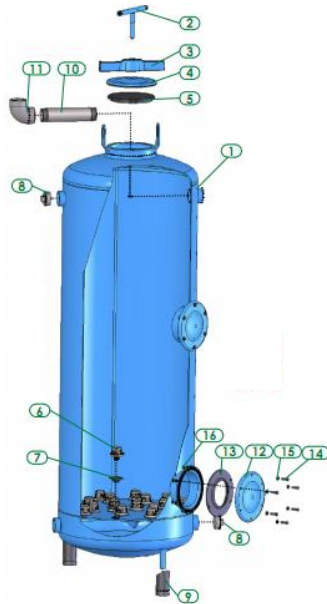


Model F6016 – F6025 + S
F6000-P (parallel inlet)

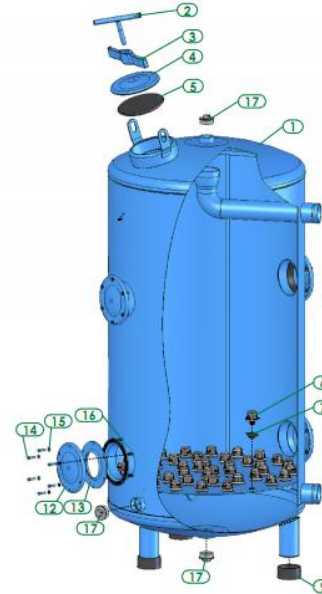


Model F6030 – F6060
F6000-A (angle inlet)

Description	
1	Filter body
2	Handle
3	Tightening bracket
4	Cover
5	Cover gasket
6	“Mushroom” diffuser
7	Rubber bushing
8	Male plug
9	Rubber leg
10	PVC nipple
11	Elbow
12	Service cover 6”
13	Service cover 6” gasket
14	Bolt
15	Washer
16	Nut
17	Male plug



Model F6016 – F6024



Model F6030 – F6048



Model	Connection D		Body Diameter D1		Filtration area		Recommended Flow Rate				H
	in	mm	in	mm	m ²	ft ²	m ³ /h		GPM		
F6016HM	1.5	40			0.12	1.29	0.6	1.8	2.6	7.9	
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