

Commercial Media Filter

Capacity: 10,000 to 1,000,000 GPD

MF

SERIES

Why a pressure filter? GLOBAL WATERMAN USA pressure filters clarify water by removing sediment, turbidity, iron, unpleasant tastes and odors, suspended particles, and unwanted color, all of which are commonly found in surface water. They can be used in a variety of service conditions including, but not limited to: industrial, municipal, and institutional applications

Filter Media

Anthracite: Performs nearly identical to a sand bed, but is used in applications where silica pick-up from the sand is objectionable.

Sand: The most common filter media, used in most filtration systems. Generally fine mesh sand is coupled with a coarse grain support bed to remove suspended solids and turbidity.

Gravel: Gravel has a highly spherical shape that promotes good flow and even distribution in support beds.

Filter AG: A non-hydrous silicon dioxide media with outstanding advantages for reduction of suspended matter.

Activated Carbon: This media is recommended for the removal of unpleasant tastes, odors, dechlorination, and organic contaminant adsorption.

Manganese Green Sand: This media is capable of reducing iron, manganese and hydrogen sulfide from water through oxidation and filtration.

Multi-Media: When top quality water is required and unwanted sediment is too small to be removed by standard media, this type of bed is the preferred choice. It consists of multiple layers of increasing grain size. Multi-Media filters will remove sediment down to the 10-micron range.



* All filters require periodic backwashing to dispose of the accumulated debris. This is accomplished by backwashing clean water through the unit and then disposing of the effluent. During this phase, the different sizes of media separate into layers, preparing the filter bed for service. Because backwashing generally occurs at higher flow rates than those seen in service, oftentimes a proper backwash flow rate is not possible because the systems are designed for required service flow rates. However, by utilizing smaller double or triple unit systems, the optimum backwash flow rate is lower; therefore, these systems can operate at higher service flow rates.

Standard Features

- High performance carbon stainless steel tank
- 220V/1Ph/50Hz
- Automatic backwash valve
- Operating pressure: 25 - 125 psi (1.3 - 6 bars)
- Operating temperature: 5 - 45 °C
- Time controller for backwash cycle according to
- a pre-set schedule
- Flow controller to limit backwash flow
- All internals are plastic materials
- High quality media

Available Options

- Duplex systems
- 304 stainless steel tanks
- Epoxy coated steel or FRP tanks
- 115V/1Ph/60Hz
- Vacuum breaker
- Auxiliary micro switch
- Inlet / Outlet sample valves
- Inlet / Outlet pressure gauges
- Filters using diaphragm valves
- Hot water applications

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Model No.	Flow Rate								Tank (D"xH")	Media Ft ³	Pipe Size	Shipping Weight (Lbs)
	Minimum		Continuous		Peak		Backwash					
	GPM	M ³ /hr	GPM	M ³ /hr	GPM	M ³ /hr	GPM	M ³ /hr				
Multi Layer Filters:Anthracite, Sand and Gravel(Turbidity Removal)												
70F1435MM-SS	10.7	2.4	16.1	3.7	21.4	4.9	16.1	3.7	14X60	3.5	1"	421
28F1435MM-SS	10.7	2.4	16.1	3.7	21.4	4.9	16.1	3.7	14X60	4.5	1 1/2"	421
70F1645MM-SS	13.9	3.2	20.9	4.8	27.8	6.3	20.9	4.8	16X60	5.5	1"	531
28F1645MM-SS	13.9	3.2	20.9	4.8	27.8	6.3	20.9	4.8	16X60	6.5	1 1/2"	531
70F1855MM-SS	17.7	4	26.6	6	35.4	8	26.6	6	18X60	5.5	1 1/2"	664
28F1855MM-SS	17.7	4	26.6	6	35.4	8	26.6	6	18X60	5.5	1 1/2"	664
70F2175MM-SS	24.1	5.5	36.2	8.2	48.2	11	36.2	8.2	21X60	7.5	1 1/2"	875
28F2175MM-SS	24.1	5.5	36.2	8.2	48.2	11	36.2	8.2	21X60	7.5	1 1/2"	875
70F24100MM-SS	31.4	7.1	47.1	10.7	62.8	14.3	47.1	10.7	24X60	10	1 1/2"	1,128
28F24100MM-SS	31.4	7.1	47.1	10.7	62.8	14.3	47.1	10.7	24X60	10	1 1/2"	1,128
31F30150MM-SS	49.1	11.2	73.7	16.7	98.2	22.3	73.7	16.7	30X60	15	2"	1,776
31F36210MM-SS	70.7	16.1	106.1	24.1	141.4	32.1	106.1	24.1	36X60	21	2"	2,185
31F42280MM-SS	100	22.7	124	28.2	150	34.1	124	28.2	42X60	28	2"	2,760
AG Filters:Non-Hydrous Silicon Dioxide(Turbidity Removal)												
70F1435AG-SS	8.5	1.9	10.7	2.4	17	3.8	17	3.8	14X60	3.5	1"	179
28F1435AG-SS	8.5	1.9	10.7	2.4	17	3.8	17	3.8	14X60	4.5	1 1/2"	179
70F1645AG-SS	11.2	2.5	13.9	3.2	22.4	5	22.4	5	16x60	5.5	1"	230
28F1645AG-SS	11.2	2.5	13.9	3.2	22.4	5	22.4	5	16X60	6.5	1 1/2"	230
70F1855AG-SS	14.1	3.2	17.7	4	28.2	6.4	28.2	6.4	18x60	5.5	1 1/2"	327
28F1855AG-SS	14.1	3.2	17.7	4	28.2	6.4	28.2	6.4	18X60	5.5	1 1/2"	327
70F2175AG-SS	19.2	4.4	24.1	5.5	38.4	8.7	38.4	8.7	21x60	7.5	1 1/2"	414
28F2175AG-SS	19.2	4.4	24.1	5.5	38.4	8.7	38.4	8.7	21X60	7.5	1 1/2"	414
70F24100AG-SS	25.1	5.7	31.4	7.1	50.2	11.4	50.2	11.4	24x60	10	1 1/2"	552
28F24100AG-SS	25.1	5.7	31.4	7.1	50.2	11.4	50.2	11.4	24X60	10	1 1/2"	552
31F30150AG-SS	39.5	8.9	49.1	11.2	79	1.8	79	1.8	30X60	15	2"	886
31F36210AG-SS	56.5	12.8	70.7	16.1	113	25.7	113	25.7	36X60	21	2"	1,208
31F42280AG-SS	77	17.5	100	22.7	149	33.9	149	33.9	42X60	28	2"	1,725
Activated Carbon Filters:Granular Form with High Degree of Porosity(TaSSe,Odor and Color Removal)												
70F1435AC-SS	8.5	1.9	10.7	2.4	17	3.8	12.1	2.8	14X60	3.5	1"	179
28F1435AC-SS	8.5	1.9	10.7	2.4	17	3.8	12.1	2.8	14X60	4.5	1 1/2"	179
70F1645AC-SS	11.2	2.5	13.9	3.2	22.4	5	16	3.6	16X60	5.5	1"	230
28F1645AC-SS	11.2	2.5	13.9	3.2	22.4	5	16	3.6	16X60	6.5	1 1/2"	230
70F1855AC-SS	14.1	3.2	17.7	4	28.2	6.4	20.1	4.6	18X60	7.5	1 1/2"	327
28F1855AC-SS	14.1	3.2	17.7	4	28.2	6.4	20.1	4.6	18X60	8.5	1 1/2"	327
70F2175AC-SS	19.2	4.4	24.1	5.5	38.4	8.7	27.4	6.2	21X60	9.5	1 1/2"	414
28F2175AC-SS	19.2	4.4	24.1	5.5	38.4	8.7	27.4	6.2	21X60	10.5	1 1/2"	414
70F24100AC-SS	25.1	5.7	31.4	7.1	50.2	11.4	35.9	8.2	24X60	11.5	1 1/2"	552
28F24100AC-SS	25.1	5.7	31.4	7.1	50.2	11.4	35.9	8.2	24X60	12.5	1 1/2"	552
31F30150AC-SS	39.5	8.9	49.1	11.2	79	1.8	56.4	12.8	30X60	13.5	2"	886
31F36210AC-SS	56.5	12.8	70.7	16.1	113	25.7	80.7	18.3	36X60	14.5	2"	1,208
31F42280AC-SS	77	17.5	100	22.7	149	33.9	110	25	42X60	15.5	2"	1,725
Birm Filters:(Fe, Mn and H2S Reduction)												
70F1435BM-SS	8.5	1.9	10.7	2.4	17	3.8	17	3.8	14X60	3.5	1"	179
28F1435BM-SS	8.5	1.9	10.7	2.4	17	3.8	17	3.8	14X60	4.5	1 1/2"	179
70F1645BM-SS	11.2	2.5	13.9	3.2	22.4	5	22.4	5	16X60	5.5	1"	230
28F1645BM-SS	11.2	2.5	13.9	3.2	22.4	5	22.4	5	16X60	6.5	1 1/2"	230
70F1855BM-SS	14.1	3.2	17.7	4	28.2	6.4	28.2	6.4	18X60	5.5	1 1/2"	327
28F1855BM-SS	14.1	3.2	17.7	4	28.2	6.4	28.2	6.4	18X60	5.5	1 1/2"	327
70F2175BM-SS	19.2	4.4	24.1	5.5	38.4	8.7	38.4	8.7	21X60	7.5	1 1/2"	414
28F2175BM-SS	19.2	4.4	24.1	5.5	38.4	8.7	38.4	8.7	21X60	7.5	1 1/2"	414
70F24100BM-SS	25.1	5.7	31.4	7.1	50.2	11.4	50.2	11.4	24X60	10	1 1/2"	552
28F24100BM-SS	25.1	5.7	31.4	7.1	50.2	11.4	50.2	11.4	24X60	10	1 1/2"	552
31F30150BM-SS	39.5	8.9	49.1	11.2	79	1.8	79	1.8	30X60	15	2"	886
31F36210BM-SS	56.5	12.8	70.7	16.1	113	25.7	113	25.7	36X60	21	2"	1,208
31F42280BM-SS	77	17.5	100	22.7	149	33.9	149	33.9	42X60	28	2"	1,725

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Model No.	Flow Rate								Tank (D"xH")	Media Ft ³	Pipe Size	Shipping Weight (Lbs)
	Minimum		Continuous		Peak		Backwash					
	GPM	M ³ /hr	GPM	M ³ /hr	GPM	M ³ /hr	GPM	M ³ /hr				
Calcite Filters												
70F1435CF-SS	8.5	1.9	10.7	2.4	17	3.8	17	3.8	14X60	3.5	1"	179
28F1435CF-SS	8.5	1.9	10.7	2.4	17	3.8	17	3.8	14X60	4.5	1 1/2"	179
70F1645CF-SS	11.2	2.5	13.9	3.2	22.4	5	22.4	5	16X60	5.5	1"	230
28F1645CF-SS	11.2	2.5	13.9	3.2	22.4	5	22.4	5	16X60	6.5	1 1/2"	230
70F1855CF-SS	14.1	3.2	17.7	4	28.2	6.4	28.2	6.4	18X60	5.5	1 1/2"	327
28F1855CF-SS	14.1	3.2	17.7	4	28.2	6.4	28.2	6.4	18X60	5.5	1 1/2"	327
70F2175CF-SS	19.2	4.4	24.1	5.5	38.4	8.7	38.4	8.7	21X60	7.5	1 1/2"	414
28F2175CF-SS	19.2	4.4	24.1	5.5	38.4	8.7	38.4	8.7	21X60	7.5	1 1/2"	414
70F24100CF-SS	25.1	5.7	31.4	7.1	50.2	11.4	50.2	11.4	24X60	10	1 1/2"	552
28F24100CF-SS	25.1	5.7	31.4	7.1	50.2	11.4	50.2	11.4	24X60	10	1 1/2"	552
31F30150CF-SS	39.5	8.9	49.1	11.2	79	1.8	79	1.8	30X60	15	2"	886
31F36210CF-SS	56.5	12.8	70.7	16.1	113	25.7	113	25.7	36X60	21	2"	1,208
31F42280CF-SS	77	17.5	100	22.7	149	33.9	149	33.9	42X60	28	2"	1,725

All specifications are subject to change without notice.

Operation Specifications

- Operating Pressure: 2-6 bar (30-90psi)
- Electrical Supply: 220V/1Ph/50Hz
- Operating Temperature: 5-45°C
- Filters are available with a variety of media, such as garnet, green sand, pyrolox, and more, call for details.
- Above filters can be supplied in 115V/60Hz as an option

We also supply the following:

- Reverse Osmosis Systems
- Nitrate Removal Systems
- Deionization
- Water Conditioning
- Chemical Metering Pumps
- Cartridge and Bag filtration
- Ultra-Violet Sterilizers
- Ozone Sterilization
- Parts and Components

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