

## KF Series Multimedia Filters

# SIEMENS

Siemens Water Technologies KF series multimedia filters reduce the amount of suspended solids in the feed water by filtering the water through a multi-layered filter bed. KF series multimedia filter performance for turbidity or particulate removal depends on the flow rate and size of the particulates. At 10 gpm/ft<sup>2</sup>, 90% turbidity removal is typical, while at 8 gpm/ft<sup>2</sup>, 96% turbidity removal is typical. These ratings are valid for particle sizes of 40 microns and larger. Removal of particulates smaller than 40 micron can be achieved by operating at lower flow rates and/or by utilizing a polymer feed to coagulate the smaller particles.



### Multimedia Filters Feature:

- Top mounted 7 day timeclock with 5-cycle multiport control valve
- Automatic backwash and rinse capable
- 5 layers of media for optimal sediment holding capacity
- Single corrosion resistant fiberglass vessel
- Brass control valve includes fixed and self adjusting flow regulations

## Specifications

Tank Size D x H (in)	Pipe Size (in)	Service Flow gpm (m <sup>3</sup> /hr)		Backwash Flow gpm (m <sup>3</sup> /hr)	Media Vol (ft <sup>3</sup> )
		Commercial* Service Flow	RO-Feed** Service Flow		
10 x 40	1.0	5 (1.1)	4 (0.9)	8 (1.8)	1.0
12 x 52	1.0 1.5	8 (1.8)	6.4 (1.4)	12 (2.7)	1.6
14 x 65	1.0 1.5	10 (2.3)	8 (1.8)	15 (3.4)	2.1
16 x 65	1.0 1.5	14 (3.2)	11.2 (2.5)	20 (4.5)	2.9
18 x 65	1.0 1.5	18 (4.1)	14.4 (3.3)	25 (5.7)	4.0
21 x 62	1.5 2.0	24 (5.5)	19.2 (4.4)	35 (7.9)	4.9
24 x 72	2.0	32 (7.3)	25.6 (5.8)	45 (10.2)	6.9
30 x 72	2.0	49 (11.1)	39.2 (8.9)	70 (15.9)	10.0
36 x 72	2.0	70 (15.9)	56 (12.7)	100 (22.7)	14.5

\* Flow is based on approximately 10 gpm/ft<sup>2</sup>.

\*\*Flow is based on approximately 8 gpm/ft<sup>2</sup>.

## Dimensions

Tank Size D x H (in)	Overall Dimensions L x D x H (in)	Shipping Weight lb (kg)
10 x 40	10 x 10 x 50	160 (73)
12 x 52	12 x 12 x 63	320 (146)
14 x 65	14 x 14 x 76	469 (213)
16 x 65	16 x 16 x 76	630 (286)
18 x 65	18 x 18 x 76	670 (304)
21 x 62	21 x 21 x 74	1110 (504)
24 x 72	24 x 24 x 90	1500 (681)
30 x 72	30 x 30 x 96	1570 (713)
36 x 72	36 x 36 x 97	2130 (967)

## Design Parameters:

Configuration	Simplex
Feed Water Temperature	45-100°F (7-38° C)
Feed Pressure	30-100 psig +/- 5 psig
Maximum Inlet Turbidity	30 NTU
Sizing	10 gpm/ft <sup>2</sup>
Bed Depth	30 - 37"
Freeboard	65- 100%
Capacities	0.5 lb./ft <sup>3</sup> (approximate)
Backwash	15 gpm/ft <sup>2</sup>

The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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PWS-KFMF-DS-0307  
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