

# Fiberglass Tank Media Filters

**CLEARMATCH 100**  
**Series**

With over 30 years operational experience, you can count on ClearMatch 100 series water filters to remove suspended materials, turbidity, odors, taste, chlorine and iron in various water treatment applications. This series features automatic backwash valve and 100% corrosion resistant high performance composite and fiberglass tanks. The inner shell of filters are both temperature and chemical resistant.

## FILTERING MEDIA

The availability of a broad range of Enviromatch filtering media makes it possible to select a filter ideally suited for each specific filtration requirement. The different types of minerals can be used alone or combined together for optimum result.

- + **Multi-Media:**  
Anthracite and sand media supported on graded gravel bed used for turbidity and suspended solids removal.
- + **Filter-AG:**  
Light granular media supported on graded gravel bed used for turbidity and suspended solids removal with the advantage of lower pressure loss.
- + **Activated Carbon:**  
High efficiency activated carbon supported on graded gravel bed used for removal of chlorine, objectional tasted, odors and organic contaminate.
- + **Manganese Green Sand:**  
Selective Manganese Green Sand Media supported on graded gravel bed. used to reduce iron and manganese concentration in water .



## STANDARD FEATURES

- + Corrosion resistant fiberglass tank
- + Automatic backwash valve
- + Time controller for backwash cycle according to a pre-set schedule
- + Flow controller to limit backwash flow
- + 220V/1Ph/50Hz
- + All internal parts are plastic materials
- + Operating Pressure 20 - 122 psi (1.4 - 8.4 bar)
- + Operating Temperature 34-110°F(1 - 43°C)
- + High grade filtering media

## AVAILABLE OPTIONS

- + 110V/1 Ph/60Hz
- + Epoxy coated steel tank
- + Stainless steel tank
- + Auxiliary micro switch
- + Duplex Systems

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Model No.	Flow Rate (GPM)			Tank (D" x H")	Media (ft³)	Pipe (in)	Dimensions (L" x W" x H")	Wt. (lbs)
	Average	Max.	Back-Wash					

## Multi Media Filters (Turbidity Removal)

CM1-9-MM	4.4	8.8	7.0	9×48	1.0	1	9×9×57	152
CM1-10-MM	5.5	10.9	8.0	10×54	1.5	1	10×10×68	199
CM1-12-MM	7.9	15.7	12.0	12×48	2.0	1	12×12×57	244
CM1-13-MM	9.2	18.4	14.0	13×54	2.5	1	13×13×63	318
CM1-14-MM	10.7	21.4	16.0	14×65	3.5	1-1/2	14×14×75	413
CM1-16-MM	14.0	27.9	20.0	16×65	4.5	1-1/2	16×16×75	529
CM1-18-MM	17.7	35.3	30.0	18×65	5.5	1-1/2	18×18×75	653
CM1-20-MM	21.8	43.6	35.0	20×69	7.5	1-1/2	20×20×80	848
CM1-24-MM	31.4	62.8	50.0	24×72	10.0	2	24×24×81	1,091
CM1-30-MM	49.1	98.2	75.0	30×72	15.0	2	30×30×90	1,605
CM1-36-MM	70.7	141.4	106.0	36×72	21.0	2	36×36×92	2,198
CM1-42-MM	100.0	200.0	106.0	42×72	24.0	2	42×42×92	2,594

## Activated Carbon Filters (Color, Taste & Odor Removal)

CM1-9-AC	2.2	4.4	4.9	9×48	1.0	3/4	9×9×57	135
CM1-10-AC	2.7	5.5	6.0	10×54	1.5	3/4	10×10×68	173
CM1-12-AC	3.9	7.9	8.6	12×48	2.0	1	12×12×57	210
CM1-14-AC	5.3	10.7	11.8	14×65	3.5	1	11×11×62	353
CM1-16-AC	7.0	14.0	15.4	16×65	4.5	1	16×16×62	452
CM1-18-AC	8.8	17.7	19.4	18×65	5.5	1-1/2	18×18×72	534
CM1-20-AC	10.9	21.8	24.0	20×69	7.5	1-1/2	20×20×80	720
CM1-24-AC	15.7	31.4	34.6	24×72	10.0	2	24×24×81	921
CM1-30-AC	24.5	49.1	54.0	30×72	15.0	2	30×30×90	1,350
CM1-36-AC	35.3	70.7	77.8	36×72	21.0	2	36×36×92	1,841
CM1-42-AC	50.0	100.0	106.0	42×72	24.0	2	42×42×92	2,186

## Manganese Greensand Filters (Iron & Manganese Reduction)

CM1-9-MG	2.2	3.5	4.4	9×48	1.0	3/4	9×9×57	135
CM1-10MG	2.7	4.4	5.5	10×54	1.5	3/4	10×10×68	173
CM1-12-MG	3.9	6.3	7.9	12×48	2.0	1	12×12×57	210
CM1-13-MG	4.6	7.4	9.2	13×54	2.5	1	13×13×63	275
CM1-14-MG	5.3	8.6	10.7	14×65	3.5	1	14×14×75	353
CM1-16-MG	7.0	11.2	14.0	16×65	5.0	1	16×16×75	487
CM1-20-MG	10.9	17.5	21.8	20×69	7.0	2	20×20×80	685
CM1-24-MG	15.7	25.1	31.4	24×72	10.0	2	24×24×81	921
CM1-30-MG	24.5	39.3	49.1	30×72	15.0	2	30×30×90	1,350
CM1-36-MG	35.3	56.5	70.7	36×72	21.0	2	36×36×92	1,841
CM1-42-MG	50.0	100.0	106.0	42×72	24.0	2	42×42×92	2,186

\* Specifications are subject to change without notice

Metric Units	Flowrate (m³/hr) = GPM / 4.4	Media (m³) = ft³ / 35.3	Weight (Kg) = lbs / 2.2	Dimensions (mm) = inch x 25.4
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Water and Wastewater Treatment Systems

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