



MM Series

Multi-Media Filters

- Layered Anthracite, Sand and Garnet
- Complete Engineered System for Drop in Installation
- Fully Automated or Manual Backwash Options
- Automatic Backwash Reduces Maintenance, Maintains Filter Efficiency, and Prolongs Filter Media Life
- FRP tanks with multiport valve and controller
- Carbon Steel Tanks with PVC-Motor Operated Valves or Metal-Air Actuated Valves

Applications

- Reduction of suspended solids such as silt, clay, algae, and other particulates in feed water
- Pretreatment and protection of sensitive downstream equipment
 - o RO membrane protection via SDI reduction
 - o Microfilters or ultrafilters
 - o Carbon filters
 - o Ion exchange resin beds
- Broad particle size removal with typical removal rates of 96+% of particles greater than 40 micron, 75+% 10-40 micron and 50+% 1-10 micron
- Turbidity reduction (Maximum feed turbidity is 30 NTU's)

Max Operating Conditions

Material	Pressure	Temperature
FRP	100 psi (7 Bar)	120F (49C)
Carbon Steel	150 psi (10 Bar)	Application Dependent



Product Specifications

Tank Materials of Construction – Fiberglass Reinforced Plastic (FRP) or Carbon Steel (CS)

Flow Rates – Range from 1 to 445 GPM

Backwash - recommended after 10 psid rise in pressure drop over clean (15 psi maximum)

Ordering Guide

Product Series	Max Service Flow	Tank Material	Pipe Material (Select for Carbon Steel tanks only)
MM	3, 8, 12, 22, 34, 50, 67, 88, 152	FRP	S-Steel
	22, 34, 50, 67, 88, 111, 137, 166, 200, 269, 352, 445	CS	P-PVC

FRP Tank Specifications

Model #	Vessel Size		Service Flow Rate		Back wash Rate	Total Media Volume	Connection Pipe Size
	Dia (in)	Height (In)	Min (GPM)	Max (GPM)	(GPM)	(cu ft)	(in)
MM3FRP	9	48	1	3	4	1	0.75
MM8FRP	14	65	3	8	11	3	1
MM12FRP	18	65	5	12	18	5	1.25
MM22FRP	24	72	9	22	31	9	1.5
MM34FRP	30	72	15	34	49	15	1.5
MM50FRP	36	72	21	50	70	25	2
MM67FRP	42	72	29	67	96	33	2
MM88FRP	48	72	38	88	120	43	3
MM152FRP	63	67	65	152	220	56	3

Carbon Steel Tank Specifications

Model #	Vessel Size		Service Flow		Back Wash Rate	Media Volume (cu ft)			Valve type	Connection Pipe Size
	Dia (in)	Height (in)	min (GPM)	max (GPM)	(GPM)	Anthracite	Sand	Garnet		
MM22CS	24	60	9	22	47	4.75	2	1	PVC-MOV	1.5
MM34CS	30	60	15	34	74	7.25	3.25	1.5	PVC-MOV	2
MM50CS	36	60	21	50	106	10.5	4.75	2.25	PVC-MOV	2.5
MM67CS	42	60	29	67	144	14.25	6.25	3.25	PVC-MOV	2.5
MM88CS	48	60	38	88	188	18.5	8.25	4	PVC-MOV	3
MM111CS	54	60	48	111	238	23.5	10.5	5.25	Metal-Air	4
MM137CS	60	60	59	137	294	28.75	12.75	6.5	Metal-Air	4
MM166CS	66	60	71	166	356	35	15.5	7.75	Metal-Air	4
MM200CS	72	60	85	200	424	41.75	18.5	9.25	Metal-Air	4
MM269CS	84	60	115	269	577	56.25	25.25	12.5	Metal-Air	6
MM352CS	96	60	150	352	754	74	33	16.5	Metal-Air	6
MM445CS	108	60	190	445	954	93.75	41.75	21	Metal-Air	6

MM-NA-1117



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