

Media Filters

Martin water media filter is used to remove suspended solids or turbidity from the water. These are located in front of demineralizer trains, reverse osmosis units, softeners, etc. By removing this debris in the water, it prevents the downstream equipment from being plugged up when operated properly.

Martin filters offer a wide range of sizes, materials of construction and configurations to meet all of your filtration needs. They can be ordered either as a stand-alone unit or integrated into the most complex of control systems.

Normally filtered water will have <1PPM total suspended solids (TSS) considering a feed TSS of 10-25PPM. Various chemical dosing to aid filtration may be required and can be offered as an optional item.

STANDARD FEATURES

- 100 Psi Carbon Steel Placite-Lined Tank
- Skid -Mounted UPVC Piping
- PVC Hub Radial/Header Lateral Internals
- Cast Iron Butterfly Valves with Stainless Steel Discs
- Inlet Outlet Pressure Gauges
- Carbon Steel Local Control Box
- PLC Control

UPGRADE OPTIONS

- 150 Psi Tank
- ASME Stamped Carbon Steel Tank
- Composite FRP Tank to 120" Diameter
- Welded Schedule 40 CS / Schedule 10 SS Piping
- Signet Flow Meter
- DP Switch

Applications

- Organic Reduction
- Chlorine/ Chloramine Removal
- Taste, Odor, Color Removal





Model	Vessel Size	Service Flow Range	Backwash Flow Rate	Optional Air Scour Rate	Piping Size (inches)		Filter Media (ft ³)				Shipping Weight	Dimensions (inches)		
	Dia x SS	GPM	GPM	SCFM	SEVI	BWI	Gravel	Quartz	Sand	Anthracite	(LBS)	A	B	C
Carbon Steel Vessel with U-PVC Piping														
MT-MMF-02472-152CSV	2'-0" x 6'	12 -23	47	10	1.5	2	28	28	88	133	590	118	48	60
MT-MMF-03072-22CSV	2'-6" x 6'	20-38	73	12	2	2	45	45	139	210	726	122	48	60
MT-MMF-03672-23CSV	3'-0" x 6'	27 -55	102	20	2	3	96	96	193	289	907	148	70	90
MT-MMF-04272-23CSV	3'-6" x 6'	37 -75	140	28	2	3	133	133	263	396	998	151	70	90
MT-MMF-04872-23CSV	4'-0" x 6'	49 -80	184	37	2	3	173	173	345	521	1043	154	70	91
MT-MMF-05472-34CSV	4'-6" x 6'	62 -124	233	58	3	4	221	221	439	660	1179	157	78	102
MT-MMF-06072-34CSV	5'-0" x 6'	77 -154	288	83	3	4	272	272	544	816	1270	160	78	106
MT-MMF-06672-34CSV	5'-6" x 6'	93 -186	350	70	3	4	331	331	660	991	1361	163	78	109
MT-MMF-07272-36CSV	6'-0" x 6'	111 -210	416	83	3	6	394	394	787	1181	1452	170	98	129
MT-MMF-07872-36CSV	6'-6" x 6'	131 -240	490	98	3	6	462	462	926	1388	1542	174	98	131
MT-MMF-08472-36CSV	7'-0" x 6'	152 -280	569	114	3	6	538	538	1073	1611	1633	177	98	133
MT-MMF-09072-46CSV	7'-6" x 6'	174 -348	653	131	4	6	617	617	1235	1849	1769	180	98	145
MT-MMF-09672-46CSV	8'-0" x 6'	198 -370	744	149	4	6	702	702	1405	2107	1860	183	98	148
MT-MMF-10272-46CSV	8'-6" x 6'	224 -430	841	168	4	6	793	793	1586	2381	1950	186	98	152
MT-MMF-10872-68CSV	9'-0" x 6'	251 -503	943	189	6	8	889	889	1781	2670	2087	197	104	160
MT-MMF-11472-68CSV	9'-6" x 6'	280 -561	1050	210	6	8	991	991	1985	2976	2132	200	104	165
MT-MMF-12072-68CSV	10'-0" x 6'	306 -630	1162	255	6	8	1104	1104	2209	3313	2268	200	104	165
FRP Vessel with U-PVC Piping														
MT-MMF-02472-152FRP	2'-0" x 6'	12 -23	47	10	1.5	2	28	28	88	133	454	118	48	60
MT-MMF-03072-22FRP	2'-6" x 6'	20-38	73	12	2	2	45	45	139	210	499	122	48	60
MT-MMF-03672-22FRP	3'-0" x 6'	27 -55	68	20	2	2	96	96	193	289	544	148	70	90
MT-MMF-04272-23FRP	3'-6" x 6'	37 -75	93	28	2	3	133	133	263	396	544	151	70	90
MT-MMF-04872-33FRP	4'-0" x 6'	49 -98	122	37	3	3	173	173	345	521	635	154	78	100
MT-MMF-05672-34FRP	4'-8" x 6'	62 -124	155	47	3	4	221	221	439	660	680	157	78	102
MT-MMF-06072-34FRP	5'-0" x 6'	77 -154	192	58	3	4	272	272	544	816	726	167	98	137
MT-MMF-07272-46FRP	6'-0" x 6'	111 -222	278	83	4	6	394	394	787	1181	816	170	98	139
MT-MMF-08072-46FRP	6'-6" x 6'	131 -261	327	98	4	6	462	462	926	1388	862	174	98	141
MT-MMF-08972-46FRP	7'-5" x 6'	174 -348	653	131	4	6	617	617	1235	1849	1769	180	98	145
MT-MMF-09672-66FRP	8'-0" x 6'	198 -370	744	149	4	6	702	702	1405	2107	1860	183	98	148
MT-MMF-12072-68FRP	10'-0" x 6'	306 -630	770	255	6	8	1104	1104	2209	3313	1179	203	104	168