

## Carbon Filters

Martin Carbon Filters are used to remove Free Chlorine, Chloramines, TOC, Color, etc. from the feed water. By removing these impurities from the feed water, it prevents the downstream equipment from damage due to fouling.

A water 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.

### 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	Piping Size (inches)		Filter Media (ft3)		Shipping Weight	Dimensions (inches)		
	Dia x SS	GPM	GPM	SEVI	BWI	Carbon	Gravel	(LBS)	A	B	C
<b>Carbon Steel Vessel with U-PVC pipings</b>											
MT-ACF-02472-22CSV	2'-0" x 6'	16 -24	38	1.5	2	255	28	590	118	48	60
MT-ACF-03072-22CSV	2'-6" x 6'	24 -36	59	1.5	2	425	45	726	122	48	60
MT-ACF-03672-23CSV	3'-0" x 6'	34 -55	82	2	3	566	96	907	147	70	90
MT-ACF-04272-23CSV	3'-6" x 6'	47 -75	112	2	3	793	133	998	149	70	90
MT-ACF-04872-23CSV	4'-0" x 6'	61 -80	147	2	3	1048	173	1089	153	70	92
MT-ACF-05472-34CSV	4'-6" x 6'	78 -124	186	3	4	1331	221	1179	156	77	105
MT-ACF-06072-34CSV	5'-0" x 6'	96 -154	231	3	4	1642	272	1270	159	77	108
MT-ACF-06672-34CSV	5'-6" x 6'	117 -186	280	3	4	1982	331	1361	162	77	111
MT-ACF-07272-34CSV	6'-0" x 6'	139 -180	333	3	4	2350	394	1452	164	80	114
MT-ACF-07872-46CSV	6'-6" x 6'	163 -261	392	4	6	2775	462	1588	173	98	140
MT-ACF-08472-46CSV	7'-0" x 6'	190 -303	455	4	6	3228	538	1678	176	98	142
MT-ACF-09072-46CSV	7'-6" x 6'	218 -348	523	4	6	3710	617	1769	178	102	145
MT-ACF-09672-46CSV	8'-0" x 6'	248 -348	595	4	6	4219	702	1860	182	102	148
MT-ACF-10272-66CSV	8'-6" x 6'	280 -448	672	6	6	4757	793	2041	185	106	151
MT-ACF-10872-68CSV	9'-0" x 6'	318 -496	732	6	8	5380	906	2132	188	108	154
MT-ACF-11472-68CSV	9'-6" x 6'	354 -552	815	6	8	6003	991	2223	191	108	157
MT-ACF-12072-68CSV	10'-0" x 6'	390 -610	940	6	8	6655	1104	2313	191	108	157
<b>Composite FRP Vessel with U-PVC pipings</b>											
MT-ACF-02472-151FRP	2'-0" x 6'	8 -16	38	1.5	2	255	28	454	118	48	60
MT-ACF-03072-215FRP	2'-6" x 6'	12 -24	59	1.5	2	425	45	499	122	48	60
MT-ACF-03672-23FRP	3'-0" x 6'	34 -55	82	2	3	566	96	544	147	70	90
MT-ACF-04272-23FRP	3'-6" x 6'	47 -75	112	2	3	793	133	544	149	70	90
MT-ACF-04872-23FRP	4'-0" x 6'	61 -98	147	2	3	1048	173	590	153	70	92
MT-ACF-05672-34FRP	4'-8" x 6'	78 -124	186	3	4	1331	221	680	156	77	105
MT-ACF-06072-34FRP	5'-5" x 6'	96 -154	231	3	4	1642	272	736	159	79	108
MT-ACF-07272-43FRP	6'-0" x 6'	139 -222	333	3	4	2350	394	771	164	80	114
MT-ACF-08072-63FRP	6'-8" x 6'	139 -222	333	4	6	2350	394	862	168	97	138
MT-ACF-08972-63FRP	7'-5" x 6'	218 -348	523	4	6	3710	617	953	178	102	145
MT-ACF-09672-64FRP	8'-0" x 6'	248 -348	595	4	6	4219	702	1043	182	102	148
MT-ACF-12072-86FRP	10'-0" x 6'	354 -552	815	6	8	6003	991	1134	191	108	157