

Water Softening

Martin Softeners are available in a wide range of sizes, materials of construction and configurations to meet all of your softening needs.

They can be ordered either as a stand-alone unit or integrated into the most complex of control systems.

Base unit includes Brine Ejector System for regeneration. Optional Brine Mixer and Common Regeneration System can be offered for Multiple or large size softener units.

Normally filtered water will have commercial zero total hardness (<5 PPM as CaCO₃) considering feed hardness of up to 300 PPM and TDS up to 500 PPM. Please contact us for applications beyond this range.

STANDARD FEATURES

- 100 Psi Carbon Steel Placite-Lined Tank
- Strong Acid Cation Resin
- 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
- Brine Mixer
- Brine Solution Tank
- Brine Regeneration Pump

APPLICATIONS

- Hardness Reduction
- Iron Removal
- Trace Metals Removal



Model	Vessel Size	Service Flow Range	Backwash Flow Rate (Approx)	Piping Size (Inches)		Resin Volume	Shipping Weight	Dimensions (Inches)		
	Dia x SS	GPM	GPM	SEV	BW	(L)	KGS	A	B	C
Carbon Steel Vessel with U-PVC pipings										
MT-SFNC02472-22CSV	2'-0" x 6'	9 -47	18	2	2	270	820	169	88	102
MT-SFNC03072-22CSV	2'-6" x 6'	15 -74	28	2	2	420	860	169	88	108
MT-SFN-03672-32CSV	3'-0" x 6'	21 -106	41	3	2	600	910	171	90	107
MT-SFN-04272-32CSV	3'-6" x 6'	29 -144	55	3	2	820	1100	174	90	113
MT-SFN-04872-32CSV	4'-0" x 6'	38 -188	72	3	2	1075	1150	177	90	110
MT-SFN-05472-43CSV	4'-6" x 6'	48 -239	91	4	3	1350	1270	181	100	141
MT-SFN-06072-43CSV	5'-0" x 6'	59 -295	113	4	3	1670	1360	181	100	148
MT-SFN-06672-43CSV	5'-6" x 6'	71 -356	136	4	3	2025	1450	185	100	154
MT-SFN-07272-63CSV	6'-0" x 6'	85 -424	163	6	3	2400	1630	190	100	160
MT-SFN-07872-64CSV	6'-6" x 6'	100 -498	190	6	4	2820	1730	194	110	152
MT-SFN-08472-64CSV	7'-0" x 6'	115 -577	221	6	4	3270	1820	198	110	158
MT-SFN-09072-64CSV	7'-6" x 6'	133 -663	253	6	4	3750	1900	204	110	165
MT-SFN-09672-64CSV	8'-0" x 6'	151 -754	288	6	4	4270	1950	210	110	170
MT-SFN-10872-86CSV	9'-0" x 6'	191 -954	365	8	6	5400	2180	252	120	190
MT-SFN-12072-86CSV	10'-0" x 6'	236 -1178	450	8	6	6670	2270	260	120	200
Composite FRP Vessel with U-PVC pipings										
MT-SFN-02472-151FRP	2'-0" x 6'	9 -38	18	1.5	1.5	270	540	169	88	102
MT-SFN-03072-215FRP	2'-6" x 6'	15 -60	28	2	1.5	420	590	169	88	108
MT-SFN-03672-215FRP	3'-0" x 6'	21 -85	41	2	1.5	600	590	171	90	107
MT-SFN-04272-32FRP	3'-6" x 6'	29 -115	55	3	2	820	680	174	90	113
MT-SFN-04872-32FRP	4'-0" x 6'	38 -188	72	3	2	1075	730	177	90	110
MT-SFN-05672-43FRP	4'-8" x 6'	50 -200	95	4	3	1400	820	181	100	148
MT-SFN-06072-43FRP	5'-0" x 6'	65 -260	124	4	3	1670	860	185	100	154
MT-SFN-07272-43FRP	6'-0" x 6'	85 -330	158	4	3	2400	910	190	100	160
MT-SFN-08072-63FRP	6'-8" x 6'	105 -410	195	6	3	2820	1000	198	110	158
MT-SFN-09072-64FRP	7'-6" x 6'	133 -663	253	6	4	3750	1060	204	110	165
MT-SFN-09672-64FRP	8'-0" x 6'	142 -570	270	6	4	4270	1150	210	110	170
MT-SFN-12072-86FRP	10'-0" x 6'	230 -915	435	8	6	6670	1280	260	120	200