



Quality Products for Quality Water

'MGTC' Series Water Softeners



Twin system shown with skid mount option.

Overview

The Marlo 'MGTC' water softener systems are engineered for higher flow rates and ease of use. The removable operator interface makes it easy to view valve diagnostics and make programming adjustments. The quick-connect valve mount, along with the 2" valve's built in meter, make installation and service quick and easy. The corrosion resistant fiberglass reinforced polyethylene tanks are designed to provide many years of reliable service.

The multiple tank configurations and available options make the MGTC a robust solution for boiler pretreatment, car washes or any application requiring mineral scale reduction.

Standard Features

- Corrosion resistant fiberglass tanks
- Piston actuated, multiport, lead free brass control valves
- Meter initiated regeneration cycle
- Brine tank assembly with safety overflow
- Sodium form cation exchange resin
- Hardwater bypass during regeneration
- Water hardness testing kit

Materials of Construction

- Control Valve Body: Epoxy coated lead free brass
 - Clack WS2H - 2" Valve
 - Clack WS3 - 3" Valve
- Resin Tanks: Fiberglass reinforced polyethylene - NSF 44 certified
- Internal Distributors: Sch 80 PVC/ABS
- Brine Tank: Corrosion resistant polyethylene

Instrumentation & Controls

- Easy access front removable operator interface
- LCD Display Screen
- On board diagnostics and error reporting
- Meter: 2" internal meter or 3" Signet paddle-type
- Flow Totalizer

Operating Parameters

- Inlet Pressure: 20 – 125 psig
- Electrical: 20V Circuitry
- 120/20 VAC, 50/60 Hz wall mount transformer
- Temperature: 40 – 100 °F

Options Available

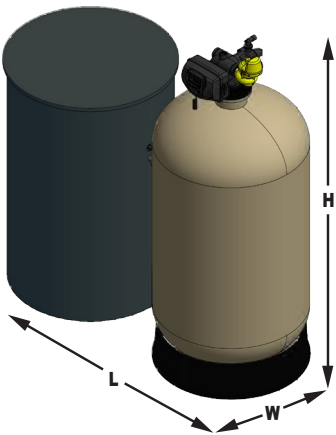
- Skid mounted, pre-piped, pre-wired systems
- Available Flow Configurations:
 - Single Tank
 - Twin Alternating
 - Multi-tank Progressive
- ASME pressure vessels
- Stainless steel meters
- Inlet/Outlet pressure gauges and sample valves
- Larger brine tanks
- Multiple voltage options
- Side Mount Control Valve

Specifications

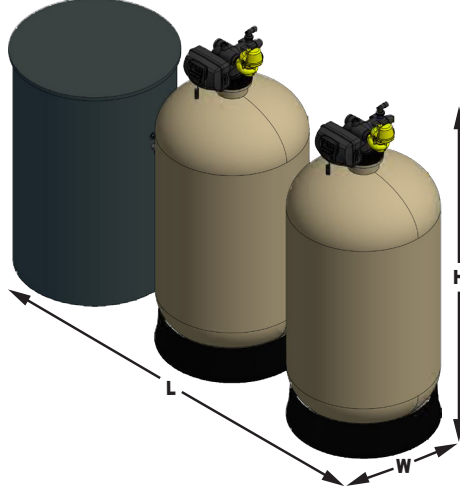
MODEL	EXCHANGE CAPACITY (Grains) SALT USAGE (Pounds) ①		FLOW RATES			PIPE SIZE	RESIN	TANK SIZES		SALT STORAGE	OVERALL DIMENSIONS (INCHES) ④	OVERALL DIMENSIONS (INCHES) ④	OVERALL DIMENSIONS (INCHES) ④	SHIPPING WEIGHT (LBS) ⑤		
			SERVICE		BACK WASH			SOFTENER	BRINE					SINGLE	TWIN	TRIPLE
	CONT. GPM ②	PEAK GPM ③	SERVICE	CU. FT.		INCHES	INCHES			LBS	SINGLE (LxWxH)	TWIN (LxWxH)	TRIPLE (LxWxH)			
	MAX	MIN			GPM	INCHES	CU. FT.	INCHES	INCHES	LBS	SINGLE (LxWxH)	TWIN (LxWxH)	TRIPLE (LxWxH)	SINGLE	TWIN	TRIPLE
MGTC-150-2	150,000 75	100,000 30	54	70	8	2	5	18x65	24x50	630	48x24x80	78x24x80	108x24x80	493	957	1436
MGTC-210-2	210,000 105	140000 42	68	88	12	2	7	21x62	24x50	540	51x24x80	84x24x80	117x24x80	684	1336	2003
MGTC-240-2	240000 120	160,000 48	77	100	15	2	8	24x72	24x50	510	54x24x88	90x24x88	126x24x88	841	1650	2474
MGTC-240-3			111	143	15	3	8	24x72	24x50	510	54x24x89	90x24x89	126x24x89	852	1671	2506
MGTC-300-2	300,000 150	200,000 60	75	97	15	2	10	24x72	24x50	410	54x24x88	90x24x88	126x24x88	956	1881	2820
MGTC-300-3			98	126	15	3	10	24x72	24x50	410	54x24x89	90x24x89	126x24x89	967	1902	2852
MGTC-450-2	450,000 225	300,000 90	88	113	25	2	15	30x72	30x50	640	66x30x87	108x30x87	150x30x87	1392	2723	4084
MGTC-450-3			144	186	25	3	15	30x72	30x50	640	66x30x88	108x30x88	150x30x88	1403	2745	4118
MGTC-600-2	600,000 300	400,000 120	97	126	30	2	20	36x72	39x60	1700	81x39x87	129x39x87	177x39x87	2050	4022	6032
MGTC-600-3			172	222	30	3	20	36x72	39x60	1700	81x39x88	129x39x88	177x39x88	2061	4044	6065
MGTC-900-3	900,000 450	600,000 180	190	244	35	3	30	42x72	42x60	1940	90x42x107	144x42x107	198x42x107	3385	6659	9988
MGTC-1200-3	1,200,000 600	800,000 240	194	251	35	3	40	48x72	42x60	1670	96x48x107	156x48x107	216x48x107	4358	8606	12908

'MGTC' Series Dimensions

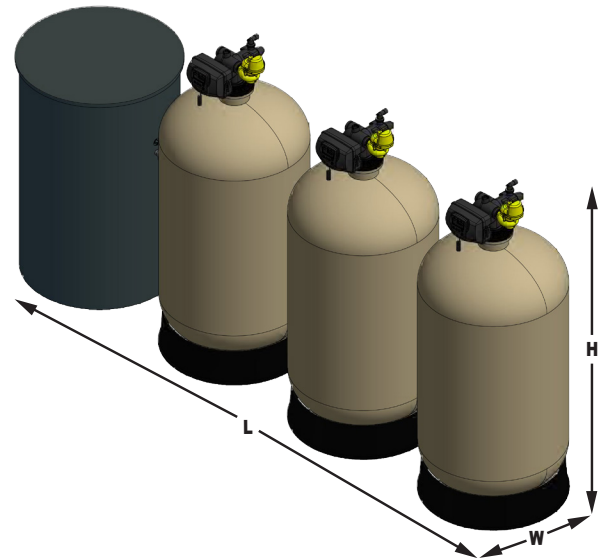
Single



Twin



Triple



Notes

- ① Maximum capacity based on 30,000 grains per cubic foot of resin when regenerated with 15 lbs. salt . Minimum capacity based on 20,000 grains per cubic foot of resin when regenerated with 6 lbs. salt.
- ② At pressure loss not exceeding 15 psi.
- ③ At pressure loss not exceeding 25 psi.
- ④ Dimensions are estimate only. Actual dimensions may vary based on job-site space limits and piping layout. Allow a minimum of 24" above height dimension for resin loading. Use of ASME rated tanks may add up to 12" of tank height.
- ⑤ Shipping weights are estimate only. Weights include resin and support gravel, which are added to the tanks after installation.

