

'MGTE' Series Water Softeners



Overview

The Marlo 'MGTE' water softener system offers the commercial or institutional facility a robust and efficient solution for reducing mineral scale, soap usage, and energy consumption in their plumbing and other water-using equipment.

The corrosion resistant fiberglass reinforced polyethylene tank design and reliable top mounted valve will provide many years of service.

Standard Features

- Corrosion resistant fiberglass tanks
- Piston actuated, multiport, plastic or brass control valves
- Timeclock or meter initiated regeneration cycle
- Brine tank assembly with safety overflow
- Sodium form cation exchange resin
- Hardwater bypass during regeneration (on single units)
- Water hardness testing kit

Materials of Construction

- Control Valve Body:
 - 1", 1-1/4" & 1-1/2" Noryl Plastic
 - 1-1/2" & 2" Low Lead Brass
- Resin Tanks: Fiberglass reinforced polyethylene - NSF 44 certified
- Internal Distributors: Sch 80 PVC/ABS
- Brine Tank: Corrosion resistant polyethylene
- Meter (optional): Internal (1" & 1-1/4") or Stainless Steel (1-1/2" & 2")

Instrumentation / Controls

- LCD Display Screen
- On board diagnostics and error reporting
- Time Clock
- Metered with flow totalizer

Operating Parameters

- Inlet Pressure: 25-125 psig
- Electrical: 12V circuitry
- 120/12 VAC, 50/60 Hz wall mount transformer
- Temperature: 40-110 °F

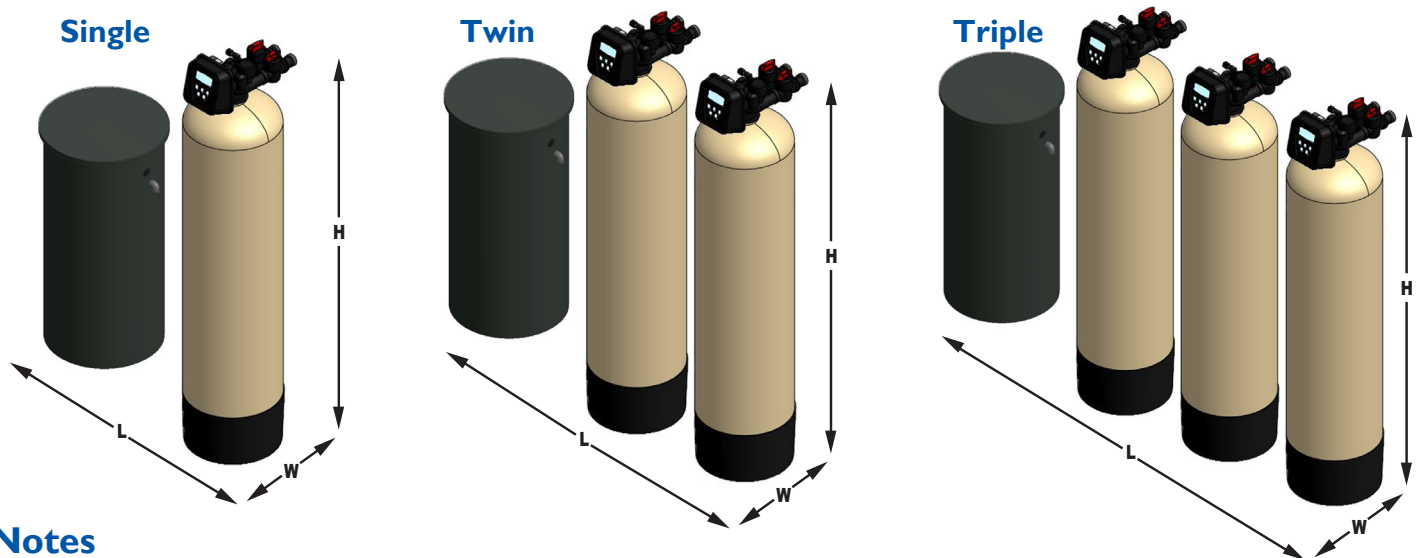
Options Available

- Skid mounted, pre-piped, pre-wired systems
- Multi-tank system configurations (twin alternating, twin progressive & triple progressive)
- ASME pressure vessels (18" diameter and larger)
- Bypass valve for use on 1" & 1-1/4" Systems
- Plastic meters - 1-1/2", 2"
- Inlet/Outlet pressure gauges and sample valves
- Larger brine tanks
- Multiple voltage options

Specifications

MODEL	EXCHANGE CAPACITY (Grains) SALT USAGE (Pounds) ①		FLOW RATES			PIPE SIZE		RESIN	TANK SIZES		SALT STORAGE	OVERALL DIMENSIONS (INCHES) ③			SHIPPING WEIGHT (LBS) ⑤		
			SERVICE		BACK WASH	SERVICE	DRAIN		SOFTENER	BRINE		SINGLE (LxWxH)	TWIN (LxWxH)	TRIPLE (LxWxH)	SINGLE	TWIN	TRIPLE
	MAX	MIN	CONT. GPM ②	PEAK GPM ②				GPM			INCHES						
MGTE-30-1	30,000 15	20,000 6	15	20	2.2	1	3/4	1	9x48	18x33	300	33x18x56	54x18x56	75x18x56	100	205	310
MGTE-45-1	45,000 22.5	30,000 9	17	22	2.7	1	3/4	1.5	10x54	18x40	350	34x18x62	56x18x62	78x18x62	140	265	390
MGTE-45-1-1/4			19	28		1-1/4									145	275	405
MGTE-60-1	60,000 30	40,000 12	20	25	3.2	1	3/4	2	12x52	18x40	290	36x18x60	60x18x60	84x18x60	175	375	575
MGTE-60-1-1/4			25	34		1-1/4			36x18x60			60x18x60	84x18x60	180	385	590	
MGTE-60-1-1/2			33	42		1-1/2			37x18x65			62x18x65	87x18x65	185	395	605	
MGTE-90-1	90,000 45	60,000 18	21	26	4.2	1	3/4	3	14x65	18x40	290	38x18x73	64x18x73	90x18x73	280	585	890
MGTE-90-1-1/4			24	33		1-1/4						38x18x73	64x18x73	90x18x73	285	595	905
MGTE-90-1-1/2			33	44		1-1/2						38x18x76	64x18x76	90x18x76	295	600	935
MGTE-120-1-1/4	120,000 60	80,000 24	25	34	5.3	1-1/4	3/4	4	16x65	24x41	565	46x24x73	74x24x73	102x24x73	360	710	1060
MGTE-120-1-1/2			36	50		1-1/2						46x24x76	74x24x76	102x24x76	375	740	1105
MGTE-120-2			47	60		2						46x24x76	74x24x76	102x24x76	390	750	1110
MGTE-150-1-1/4	150,000 75	100,000 30	27	35	7.5	1-1/4	3/4	5	18x65	24x50	665	48x24x78	78x24x78	108x24x78	455	910	1355
MGTE-150-1-1/2			40	54		1-1/2						48x24x78	78x24x78	108x24x78	465	920	1365
MGTE-150-2			53	69		2						48x24x78	78x24x78	108x24x78	480	925	1370
MGTE-210-1-1/2	210,000 105	140,000 42	43	58	11	1-1/2	1	7	21x62	24x50	575	51x24x78	84x24x78	117x24x78	655	1320	1925
MGTE-210-2			66	85		2	51x24x78					84x24x78	117x24x78	670	1300	1930	
MGTE-300-1-1/2	300,000 150	200,000 60	45	60	15	1-1/2	1	10	24x72	24x50	430	54x24x86	90x24x86	126x24x86	925	1840	2745
MGTE-300-2			73	94		15	2								1	950	1850
MGTE-450-2	450,000 225	300,000 90	84	109	25	2	1	15	30x72	30x50	740	66x30x85	108x30x85	150x30x85	1370	2690	4010
MGTE-600-2	600,000 300	400,000 120	93	119	30	2	1	20	36x72	39x60	1860	81x39x98	129x39x98	177x39x98	2040	3990	5940

'MGTE' Series Dimensions



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.