

'MGT' Series 2" and 3" Water Softeners



*Twin system shown
with skid mount option.*

Overview

The Marlo 'MGT' 2" and 3" water softener systems are engineered to handle higher flow rates. Whether its mineral scale in boiler feed or supply water for a car wash, the MGT offers a robust and efficient solution for reducing mineral scale, soap usage, and energy consumption in the plumbing and other water using equipment.

The multiple tank design offers a modular platform with several configuration options that brings a customized water treatment plan that fits most demands. 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, brass control valves
- Timeclock or meter initiated regeneration cycle
- Brine tank assembly with safety overflow
- Sodium form cation exchange resin
- Water hardness testing kit

Materials of Construction

- Control Valve Body: Low lead brass
 - Fleck 2900 - 2" Valve
 - Fleck 3900 - 3" Valve
- Resin Tanks: Fiberglass reinforced polyethylene NSF 44 certified
- Internal Distributors: Sch 80 PVC/ABS
- Brine Tank: Corrosion resistant polyethylene
- Meter: Brass or glass filled Noryl

Instrumentation / Controls

- Timeclock - electromechanical control
- Metered - XT, NXT and NXT14 - electronic control
 - LED status lights
 - On board diagnostics and error reporting
 - Flow totalizer

Operating Parameters

- Inlet Pressure: 30-100 psig
- Electrical: 24V circuitry
- 120/24 VAC, 50/60 Hz wall mount transformer
- Temperature: 35-100 °F

Options Available

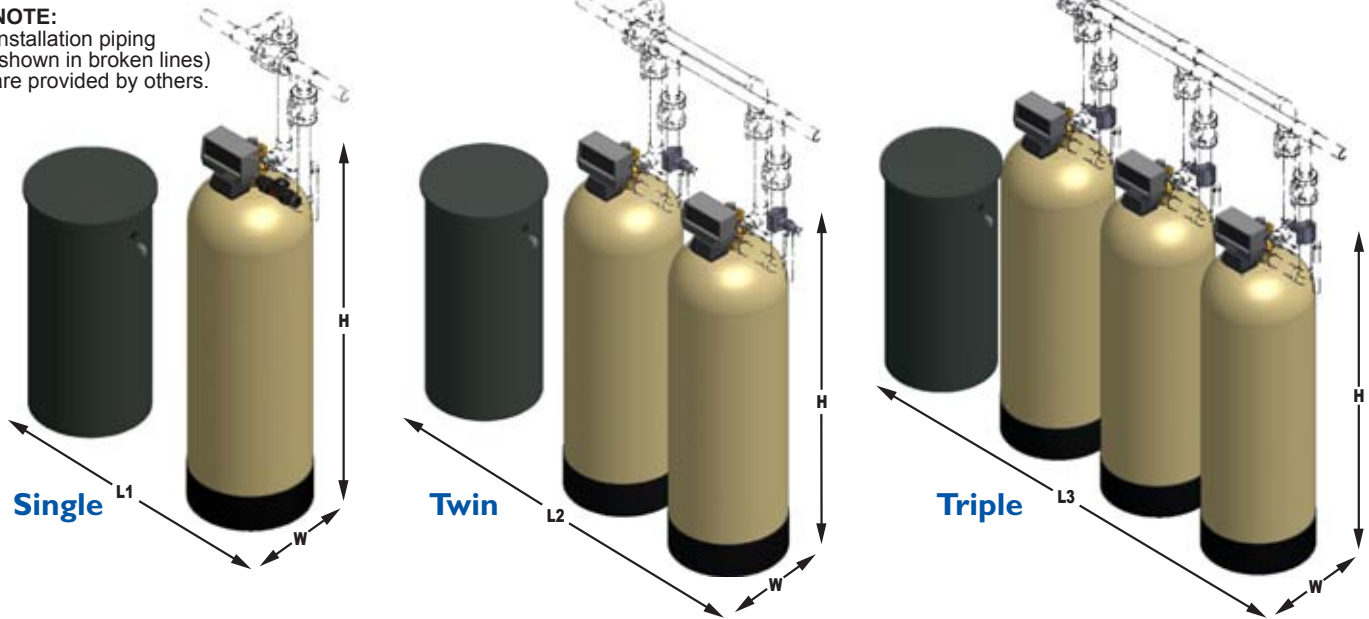
- Skid mounted, pre-piped, pre-wired systems
- NXT System 14 Progressive Parallel Demand configurations (twin, triple, quad)
- ASME Pressure vessels
- Signet flow sensors
- Stainless steel meters - 2" and 3"
- Inlet/Outlet pressure gauges and sample valves
- Electromechanical metered controls
- Larger brine tanks
- Multiple voltage options

Specifications

CATALOG NUMBER	EXCHANGE CAPACITY (Grains) SALT USAGE (Pounds) ①		FLOW RATES			PIPE SIZE	RESIN	TANK SIZES		SALT STORAGE	OVERALL DIMENSIONS (INCHES) ④			SHIPPING WEIGHT (LBS) ⑤		
			SERVICE		BACK WASH			SOFTENER	BRINE		SINGLE (L1xWxH)	TWIN (L2xWxH)	TRIPLE (L3xWxH)	SINGLE	TWIN	TRIPLE
	MAX.	MIN.	CONT. GPM ②	PEAK GPM ③		GPM	INCHES			CU. FT.						
MGT-60-2	60,000 30	40,000 12	33	49	3.5	2	2	13x54	18x40	320	37x18x67	62x18x67	87x18x67	199	381	571
MGT-90-2	90,000 45	60,000 18	39	54	5	2	3	14x65	18x40	270	38x18x78	64x18x78	90x18x78	319	610	915
MGT-120-2	120,000 60	80,000 24	47	64	6	2	4	16x65	24x40	550	46x24x78	74x24x78	102x24x78	387	746	1,119
MGT-150-2	150,000 75	100,000 30	61	80	8	2	5	18x65	24x40	500	48x24x80	78x24x80	108x24x80	476	923	1,385
MGT-210-2	210,000 105	140,000 42	60	77	12	2	7	21x62	24x50	600	51x24x80	82x24x80	117x24x80	667	1,302	1,952
MGT-240-2	240,000 120	160,000 48	74	97	15	2	8	24x72	24x50	550	54x24x88	90x24x88	126x24x88	824	1,616	2,423
MGT-240-3			120	170		3					54x24x91	90x24x91	126x24x91	888	1,743	2,614
MGT-300-2	300,000 150	200,000 60	68	91	15	2	10	24x72	24x50	450	54x24x88	90x24x88	126x24x88	939	1,847	2,769
MGT-300-3			114	150		3					54x24x91	90x24x91	126x24x91	1,003	1,974	2,960
MGT-450-2	450,000 225	300,000 90	84	105	25	2	15	30x72	30x48	590	66x30x88	108x30x88	150x30x88	1,375	2,689	4,033
MGT-450-3			160	213		3					66x30x91	108x30x91	150x30x91	1,439	2,817	4,226
MGT-600-2	600,000 300	400,000 120	87	110	35	2	20	36x72	39x48	1250	81x39x91	129x39x91	177x39x91	2,033	3,988	5,981
MGT-600-3			185	250		3					81x39x91	129x39x91	177x39x91	2,097	4,116	6,173
MGT-900-3	900,000 450	600,000 180	165	225	35	3	30	42x72	42x60	2,000	90x42x110	144x42x110	198x42x110	3,421	6,731	10,096
MGT-1200-3	1,200,000 600	800,000 240	205	275	55	3	40	48x72	42x60	1,700	96x48x110	156x48x110	216x48x110	4,394	8,678	13,016

'MGT' Series Dimensions

NOTE:
Installation piping (shown in broken lines) are provided by others.



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.