MARLO INCORPORATED®

Quality Products for Quality Water

'MGT' Series 3/4" – 1½" Water Softeners

Overview

The Marlo 'MGT' 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 poly-ethylene 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
- Hardwater bypass during regeneration
- Water hardness testing kit

Materials of Construction

- Control Valve Body: Low lead brass
  - Fleck 2510 - 3/4" Valve-(polymer body)
  - Fleck 2750 - 1" Valve
  - Fleck 2850 - 1-1/2" Valve
- Resin Tanks: Fiberglass reinforced polyethylene - NSF 44 certified
- Internal Distributors: Sch 80 PVC/ABS
- Brine Tank: Corrosion resistant polyethylene
- Meter: Stainless Steel or glass filled Noryl

Instrumentation / Controls

- Timeclock - electromechanical control
- Metered - NXT2 electronic control
  - LED Status lights
  - On board diagnostics and error reporting
  - Flow totalizer
  - 2 to 4 line scrolling text OLED display

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

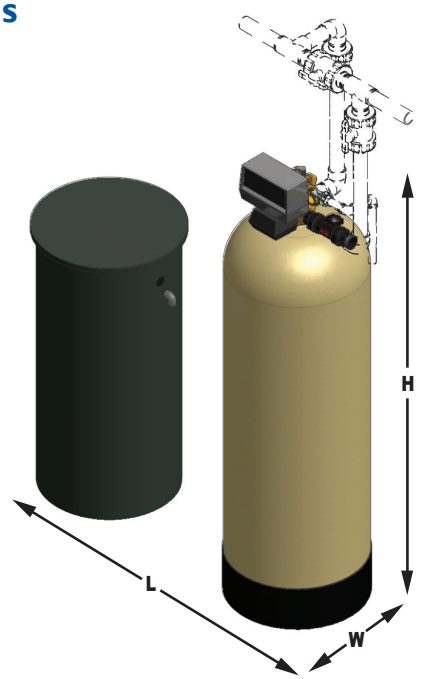
- Skid mounted, pre-piped, pre-wired systems
- Multi-tank system configurations (twin, triple, quad)
- ASME Pressure vessels
- Signet flow sensors
- Stainless steel meters
- Inlet/Outlet pressure gauges and sample valves
- Electromechanical controls and meters
- Larger brine tanks
- Multiple voltage options

Specifications

CATALOG NUMBER	EXCHANGE CAPACITY (Grains) SALT USAGE (Pounds) ❶		FLOW RATES			PIPE SIZE	RESIN	TANK SIZES		SALT STORAGE	OVERALL DIMENSIONS (INCHES) ❹	SHIPPING WEIGHT (LBS) ❺
			SERVICE		BACK WASH			SOFTENER	BRINE			
	MAX	MIN	CONT. GPM ❷	PEAK GPM ❸	GPM	INCHES	CU. FT.	INCHES	INCHES	LBS	SINGLE (LxWxH)	SINGLE
MGT-15-3/4	15,000 7.5	10,000 3	7	10	1.2	3/4	0.5	7x44	18x33	280	31x18x53	73
MGT-30-3/4	30,000 15	20,000 6	10	14	2	3/4	1	9x48	18x33	280	33x18x57	104
MGT-30-1			14	19		1						
MGT-45-1	45,000 22.5	30,000 9	15	20	3	1	1.5	10x54	18x40	320	34x18x62	144
MGT-45-1-1/2			18	28		1-1/2		13x54				149
MGT-60-1	60,000 30	40,000 12	16	21	3.5	1	2	12x52	18x40	320	36x18x60	178
MGT-60-1-1/2			33	49		1-1/2		13x54				187
MGT-90-1	90,000 45	60,000 18	17	22	5	1	3	14x65	18x40	270	38x18x73	287
MGT-90-1-1/2			31	42		1-1/2						296
MGT-120-1	120,000 60	80,000 24	18	23	6	1	4	16x65	24x40	550	46x24x73	366
MGT-120-1-1/2			34	46		1-1/2						374
MGT-150-1-1/2	150,000 75	100,000 30	37	51	8	1-1/2	5	18x65	24x50	630	48x24x75	463
MGT-210-1-1/2	210,000 105	140,000 42	39	52	12	1-1/2	7	21x62	24x50	600	51x24x75	654
MGT-240-1-1/2	240,000 120	160,000 48	42	55	15	1-1/2	8	24x72	24x50	550	54x24x83	811
MGT-300-1-1/2	300,000 150	200,000 60	41	55	15	1-1/2	10	24x72	24x50	450	54x24x83	927

'MGT' Series Dimensions

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



Notes

❶ 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.

❷ At pressure loss not exceeding 15 psi.

❸ At pressure loss not exceeding 25 psi.

❹ 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.

❺ Shipping weights are estimate only. Weights include resin and support gravel, which are added to the tanks after installation.

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