

'MATC' Series Water Softeners



Overview

The Marlo 'MATC' water softener system is a meter initiated twin-alternating softener that 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 twin-alternating design provides a continuous supply of softened water for critical applications, such as boiler feed, with a fully recharged tank always in standby.

Standard Features

- Top mounted, twin tank control valve
- NSF certified corrosion resistant fiberglass tanks
- Piston actuated, multiport, plastic or brass control valves
- Water meter initiated regeneration cycle
- Brine tank assembly with safety overflow
- High capacity sodium form cation exchange resin
- Water hardness testing kit

Materials of Construction

- Control Valve Body:
 - 1" Noryl Plastic
- Resin Tanks: Fiberglass reinforced polyethylene - NSF 44 certified
- Internal Distributors: Sch 80 PVC/ABS
- Brine Tank: Corrosion resistant polyethylene
- Meter: Internal

Instrumentation / Controls

- Metered -
 - LCD Display Screen
 - On board diagnostics and error reporting
 - 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

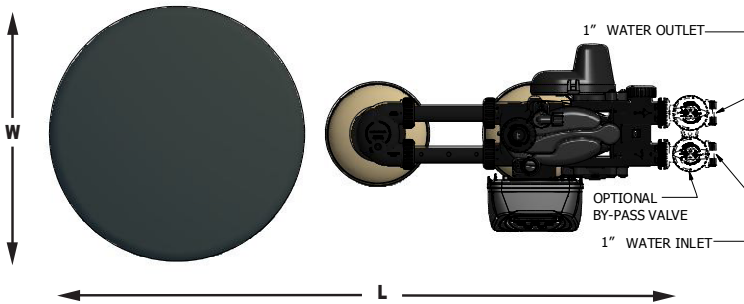
- Skid mounted, pre-piped, pre-loaded systems
- Bypass valve
- Inlet/Outlet pressure gauges and sample valves
- Larger brine tanks
- Multiple voltage options
- Application specific resin

Specifications

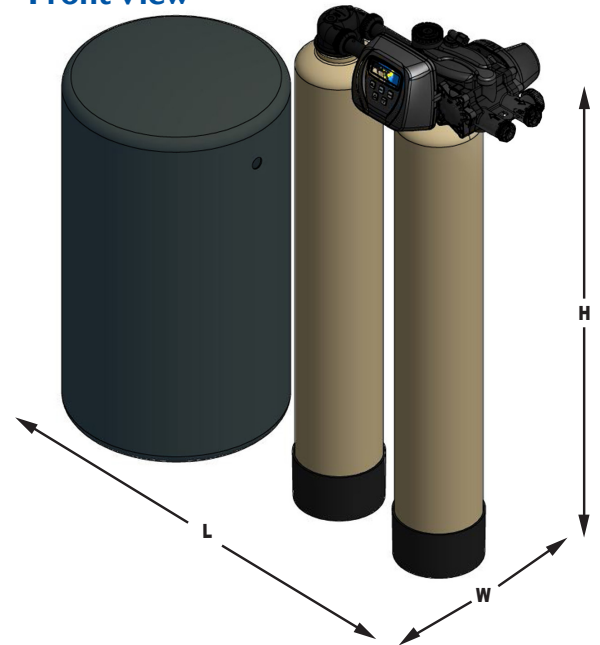
MODEL	EXCHANGE CAPACITY (Grains) SALT USAGE (Pounds) ❶		FLOW RATES			PIPE SIZE		RESIN	TANK SIZES		SALT STORAGE	OVERALL DIMENSIONS (INCHES) ❷	SHIPPING WEIGHT (LBS) ❸
			SERVICE		BACK WASH	SERVICE	DRAIN		SOFTENER	BRINE			
	MAX	MIN	CONT. GPM ❹	PEAK GPM ❺				GPM			INCHES	INCHES	CU. FT.
	MATC-15M-1	15,000 7.5	10,000 3	13	18	1.3	1	3/4	0.5	7x44	18x33	300	50x18x52
MATC-30M-1	30,000 15	20,000 6	15	20	2.2	1	3/4	1	9x48	18x33	300	51x18x56	200
MATC-45M-1	45,000 22.5	30,000 9	17	22	2.7	1	3/4	1.5	10x54	18x40	320	51x18x62	265
MATC-60M-1	60,000 30	40,000 12	20	25	3.2	1	3/4	2	12x52	18x40	320	54x18x60	400
MATC-90M-1	90,000 45	60,000 18	21	26	4.2	1	3/4	3	14x65	18x40	270	57x18x73	625
MATC-120M-1	120,000 60	80,000 24	23	30	5.3	1	3/4	4	16x65	24x40	550	66x24x73	825
MATC-150-1	150,000 75	100,000 30	25	31	7.5	1	1	5	18x65	24x50	630	69x24x75	1120

'MATC' Series Dimensions

Top View



Front View



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