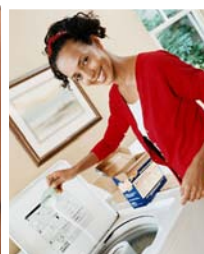


Marlo CMP Series Water Softeners



Features

- **Dependable Fully Automatic Controls.** State of the art control design assures top performance and ease of use in one of the industry's most reliable water conditioners.
- **Fewer Parts Than Comparable Valves.** Fewer parts and minimum number of sealing members ensures reliable, trouble-free performance.
- **Economy Salt Saving Brine Control.** Precision brining cycle increases salt efficiency and assures minimum water usage during regeneration.
- **Automatic Bypass During Regeneration.** During regeneration, bypass water is automatically available.
- **Outstanding Warranty and Product Assurance.** Product materials and workmanship are protected with a written warranty that you can depend on. You will know you have complete product protection even though you may never need it.



For the Laundry

Clothing looks cleaner with reduced fading and fabric wear. Clothing life can be extended by as much as 15%. Soap and detergent consumption can be substantially reduced.

For the Kitchen

Dishes and glasses look cleaner and brighter.

For the Family

Hard water can cause dryness. Skin and hair washed in soft water look and feel better.

For the Home

Water using appliances last longer. Softened water maintains energy efficiency.

Easily Eliminate Hard Water with Marlo's CMP Series

Hard water can make your life difficult. Hard water creates mineral scale deposits which can shorten the life of your pipes, water heater, washing machine, and dishwasher. Hard water deposits stain bathtubs and sinks, spot glasses and dishes, and leave your laundry looking dull and dingy.

Put an end to hard water mineral deposits with a Marlo water conditioner. The CMP series water softener removes calcium and magnesium, the hardness minerals, leaving your water softer, cleaner and user friendly. Soft water saves you money. It pays to enjoy the benefits of a Marlo water softener.

Take a look at the advantages of using a Marlo water softener:

- Water heater efficiency is increased 21% to 29%.
- Save up to 70% on soap in the kitchen, laundry and bath.
- Save up to 25% on personal-care items such as hair conditioners and shaving cream.
- Appliances like dishwashers and laundry machines last up to one-third longer.
- Hot water heaters last up to twice as long.
- Clothing will be whiter, brighter and last longer.
- Clean fresh drinking water and crystal-clear ice.
- Savor flavors as they're meant to be enjoyed with conditioned water. Beverages, soups and food taste better.

In the kitchen The Marlo CMP will give you

- Shiny spotless dishes and glasses.
- A sparkling-clean sink.
- Longer life for plumbing and appliances.

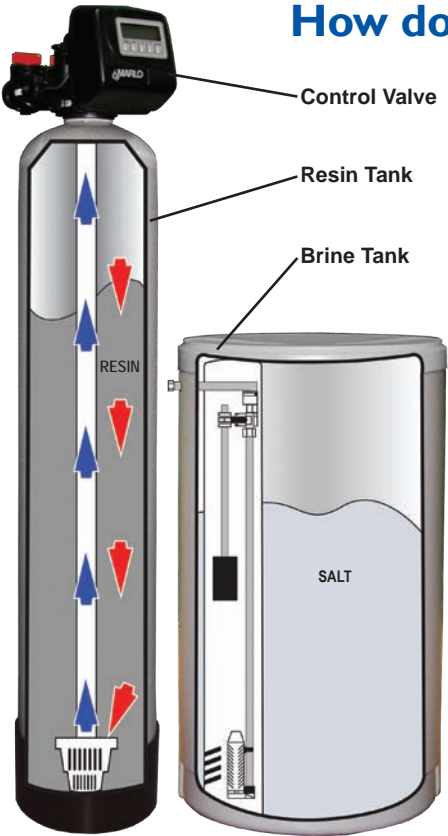
In the bathroom

- Cleaner fixtures with less soap-scum buildup.
- Stain-free sinks, tubs and showers.
- Softer skin and more manageable hair.
- Use less shampoo and conditioners.

In the laundry

- Wash is fresher, cleaner and brighter
- Longer life for washing machine
- Use less detergent.

How does a Marlo Water Softener Work?



The diagram illustrates the components and operation of a Marlo water softener. It features a vertical Resin Tank with a Control Valve on top and a separate Brine Tank containing salt. Blue arrows indicate the flow of water from the Control Valve down through the resin bed in the Resin Tank. Red arrows indicate the backwash process where water flows upwards through the resin bed. Labels include 'Control Valve', 'Resin Tank', 'Brine Tank', 'RESIN', and 'SALT'.

1. The untreated water enters the Control Valve where it is directed into the top of the Resin Tank and passes downward through a bed of resin. The resin will react with Calcium and Magnesium, the hardness minerals, by equally exchanging them for Sodium. When the water reaches the bottom of the tank, it is distributed up through a tube in the center of the tank into the Control Valve and through the outlet port as softened water.
2. When the resin is saturated with mineral (hard water) it must be regenerated. After a backwash step to clean the resin bed, a brine solution is flushed through the resin tank, bathing the resin beads with Sodium which replace the accumulated Calcium and Magnesium (hardness).
3. After brine is drawn into the resin tank, a rinse of just water passes through the bed rinsing the brine off. When the rinse cycles are finished, the resin cleaning process is complete and the bed is re-charged.
4. The Marlo Control Valve will track your water usage and automatically perform the above processes.



CMP SERIES

Automatic Water Conditioners



Specifications

Model Number	Units	CMP-22-K	CMP-30-K	CMP-40-K	CMP-45-K	CMP-60-K	CMP Combo	CMP-22-KC	CMP-30-KC
Exchange Capacity— Kilograins	MAX	22,836	30,448	38,060	45,672	60,896	30,000	22,836	30,448
	MID	19,509	26,012	32,515	39,018	52,024	—	19,509	26,012
	MIN	14,514	19,352	24,190	29,028	38,704	—	14,514	19,352
Salt per Regeneration Lbs./Regen	MAX	11.25	15.00	18.75	22.50	30.00	15,000	11.25	15.00
	MID	8.00	10.00	13.00	15.00	20.00	—	8.00	10.00
	MIN	4.00	5.00	6.00	8.00	10.00	—	4.00	5.00
Max. Service Flow (1)	GPM	14.00	15.00	16.00	17.00	20.00	11.40	16.00	15.00
Pipe Size	IN.	1"	1"	1"	1"	1"	1"	1"	1"
In-Out Drain	IN.	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Operating Pressure Max.	PSI	125	125	125	125	125	125	120	125
Operating Temperature Maximum	DEG F	110	110	110	110	110	110	110	110
Mineral Tank Size (Dia.×Ht.) (2)	IN.	8×44	9×48	10×47	10×54	12×52	10×47	8×35	10×35
Brine Tank (Dia.×Ht.) (3)	IN.	18×33	18×33	18×33	18×40	18×40	18×33	—	—
Salt Storage	LBS	375	375	375	375	450	450	250	250
Resin Volume	CU. FT.	0.75	1.00	1.25	1.50	2.00	1.00	0.75	1.00
Electrical (Voltage, Cycle)	120 Volts 60 Hz								
Shipping Weight	LBS	72	86	105	119	137	110	77	91
Floor Space	IN.	27×18	28×18	28×18	29×16	31×18	13×20	13.5×22.5	13.5×22.5
Overall Height	IN.	52	56	56	62	60	55	42	42
Max Flow to Drain During Regeneration (4)	GPM	1.7	2.2	2.2	2.7	3.2	1.7	1.7	2.7
NOTE: (1) Pressure drop at 15 psi. (2) Pressure vessels are seamless and made of reinforced fiberglass, pressure-tested at 300 psi. (3) Brine tanks are fabricated of seamless, rigid, tough, high-impact, non-toxic polyethylene. (4) 50 psi inlet pressure.									



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