

Marlo A-Series Water Softeners



Features

- Simple design and rugged non-corrosive noryl valve body construction will provide years of trouble-free performance.
- Easy adjustable brine control allows for efficient salt settings.
- Valve discs are self-aligning for positive sealing.
- An internal bypass automatically provides water while the system is being regenerated.
- System indexes manually with or without power to any one of its service or regeneration positions. Readout on timer face plate indicates control valve position.
- An optional bypass valve (not shown) allows the entire water conditioning system to be bypassed when necessary.
- A unique, convenient separation feature allows the control module to be entirely removed from the tank adapter by simply pulling out the locking bar.



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.

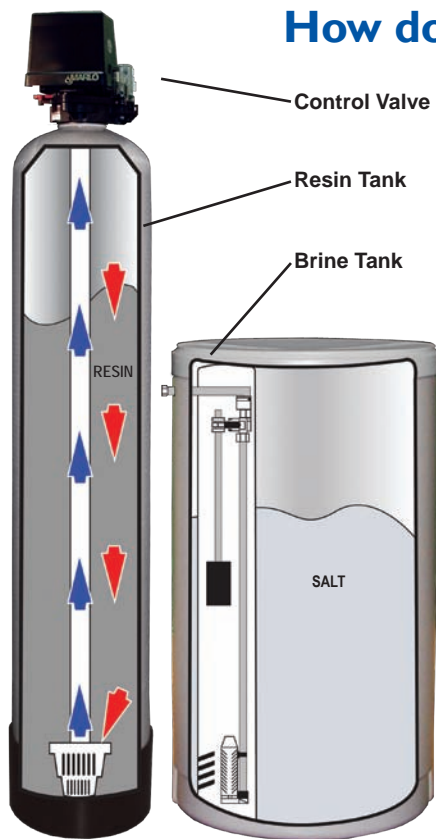
For the Family

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.

How does a Marlo Water Softener Work?



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.

“A” Series Components-A Choice of Models

Optional Electronic Demand Control (not shown) keeps pace with automatic efficiency, saving water and salt. This 12 volt controller uses a microprocessor to automatically regenerate the conditioner only when necessary, based on your actual water usage. This easy-to-program, time-proven solid state electronic package ensures that:

- The system automatically operates at maximum efficiency.
- The amount of softened water used is metered and remembered during power outages.
- Your daily reserve is automatically kept to a minimum by a self-adjusting reserve capacity. The reserve amount is calculated by multiplying the average past seven days' usage by 1.2.
- If a days' usage is more than double that of the current average, a second day of high usage is anticipated.
- A day of very little or no water usage is recognized as abnormal and will not be used to compute the average reserve. If your family is on vacation for a week, the prior average will be maintained. When normal activity is resumed, the microprocessor will operate as if the vacation had not occurred.

Standard Time Clock conditioners feature an easy-to-set six day timer. Simply set the present time of day and regeneration will automatically take place at 2:00 am. An extra regeneration can be initiated manually when needed.

- Durable Polyglass Mineral Tank for rust and corrosion free service. National Sanitation Foundation Approved.
- High Flow Distribution System for minimal pressure loss.
- Hi-Capacity Cation Resin has uniform and stable resin beads assuring long life and maximum soft water.
- FDA Approved.
- High Density Polyethylene Brine Tank.
- Solid One-piece Polypropylene Salt Grid allows insoluble materials to settle out. (optional)



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