

## Marlo F-Series Water Softeners



### A Choice of Models

**Our Metered Conditioners** are unique, in that they only regenerate based on the gallons of soft water used. A patented mechanical water meter accurately measures the gallons of soft water you use, even during a power failure. This completely eliminates wasted regenerations due to highly unpredictable water usage, saving you your hard earned dollars on salt, water, and sewer taxes.

**Our Timeclock Conditioners** feature an easy-to-set twelve (12) day timer. With six regeneration options and a simple salt adjustment dial, it easily adapts to your family's needs.



**Solid One-piece Valve Body.** Durability and long life assured. No need to worry about corrosive water damaging the valve.

**Minimal Moving Parts.** A single motor drives the valve without the problems of springs, microswitches or solenoids.

**Time Controlled Brine Refill.** Accurate salting with no float valve to malfunction.

**Metered Water Softeners.** Our metered series conditioners accurately measure soft water outlet flow as low as 0.25 gpm and as high as 10 gpm.

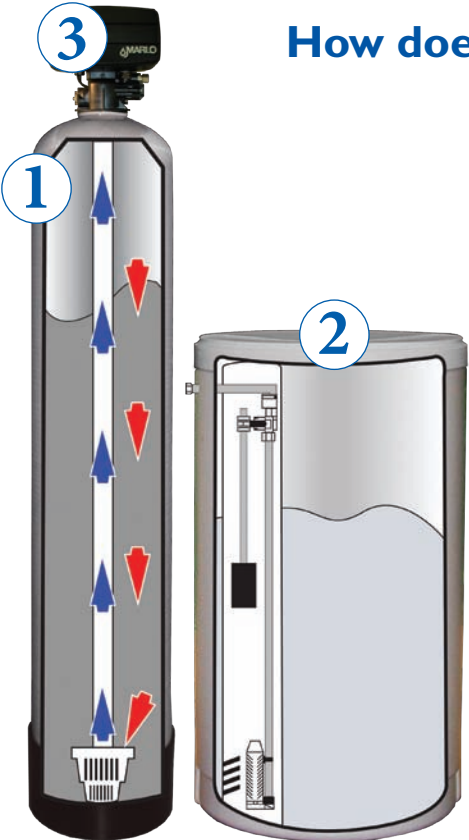
**Long Lasting Quality.** Non-sticking Teflon coated piston inside large seals & spacers allows sediment in water to pass through without damaging the unit.

**Save Money.** Save up to 50% on salt and water used.

## Easily Eliminate Hard Water with Marlo's F-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 F 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.



### How does a Marlo Water Softener Work?

1. Hard water enters your water softener (1) and passes down through the ion exchange resin, which are charged with sodium ions. The hard water ions (calcium and magnesium) are attracted to the ion exchange resin and an equal amount of sodium ions are bumped off into the water supply. When the water reaches the bottom of the tank, it is softened and ready to be used in your home and business.
2. When the ion exchange resin is saturated with calcium and magnesium (hard water ions) it must be recharged. (2) A strong brine solution enters the tank and flushes the calcium and magnesium ions off the ion exchange resin and attaches itself.
3. A final rinse process ensures that any unused brine is rinsed from the system and your (1) Marlo conditioner is now fully recharged and ready to provide you with soft water.
4. Your Marlo control valve (3) controls this entire process, including the frequency of regeneration.

**Durable Polyglass Mineral Tank.** Rust and corrosion free service. National Sanitation Foundation Approved.

**High Flow System.** Maximum distribution at minimal pressure loss.

**Hi-Capacity Cation Resin.** Uniform and stable resin beads assure long life and maximum soft water. FDA Approved.

**Safety Brine Valve.** The safety brine valve acts as a secondary shut-off in case of a power failure.

**High Density Polyethylene Brine Tank.**

Our brine tank has exceptional environmental stress crack properties. Solid One-Piece Polypropylene Salt Grid allows insoluble materials to settle out.

### On-Time Delivery

All Marlo Incorporated shipments are carefully packaged and palletized as required and requested the same way, on every order ... every time.

### Quality Assurance

All Marlo Incorporated units are engineered and thoroughly tested to provide years of "trouble free" performance. All components are inspected, tested, and warranted in writing.



(262)586-2536 • Toll Free: (888)583-4954 • Cell: (262) 206-5462  
www.pwcservices.us • dave@pwcservices.us



# F SERIES

## Automatic Water Conditioners



### Specifications

#### Two-Tank Models

Model Number	Units	F15-2	F22-2	F30-2	F45-2	F60-2
Exchange Capacity— Kilograins	MAX	6,900	22,800	30,700	46,000	60,800
	MID	11,000	16,800	22,700	31,700	41,800
	MIN	14,900	10,600	14,300	21,600	28,500
Salt per Regeneration Lbs./Regen	MAX	7.5	11.3	15.0	22.5	30.0
	MID	3.0	4.5	6.0	9.0	12.0
	MIN	1.5	2.3	3.0	4.5	6.0
(1) Tested Flow Rate	GPM	6.5	8.5	8.6	8.6	10.3
Operating Pressure Max.	PSI	100	100	100	100	100
Operating Temperature Maximum	DEG F	120	120	120	120	120
Mineral Tank Size (Dia.×Ht.)	IN.	7×44	8×44	9×40	10×54	12×52
Brine Tank (Dia.×Ht.)	IN.	18×33	18×33	18×33	18×40	18×40
Resin Volume	CU. FT.	0.5	0.75	1.00	1.5	2
Electrical (Voltage, Cycle)	120 Volts 60 Hz					
Shipping Weight	LBS	58	72	86	119	137
Floor Space (WxHxD)	IN.	26×18×54	27×18×54	28×18×49	29×19×63	29×19×63
Max Flow to Drain During Regeneration	GPM	1.2	1.5	2	2.4	3.5
NOTE: (1) At 15 psi. 1. These water conditioners are designed for hardness removal. 2. Limit of 2 ppm of Ferrous Iron. Add 3 grains per gallon for each ppm of iron present when sizing. 3. Water pressure must not be lower than 25 psi. 4. See owners manual for operating specifications.						

#### Cabinet Models

F15-C	F22-C	F30-C
6,900	22,800	30,700
1,000	16,800	22,700
14,900	10,600	14,300
7.5	11.3	15.0
3.0	4.5	6.0
1.5	2.3	3.0
6.5	8.2	8.5
100	100	100
120	120	120
7×35	8×35	10×35
n/a	n/a	n/a
0.5	0.75	1.00
120 Volts 60 Hz		
63	77	91
13×20×44	13×20×44	13×20×44
1.2	1.5	2



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