



# Water Softener Systems

*From the leader in commercial and industrial water treatment*



## Superior water softeners with tough, yet economical tanks

OUR WATER SOFTENERS ARE AVAILABLE IN SINGLE, duplex, or multiple tank models with a wide range of features to meet your specific needs. Softeners by Ecodyne use the proven Fleck® or Autotrol valve. We also offer Ecodyne valve nest softeners. Both the multiport and the valve nest series of softeners are available with standard time clock control or our proprietary electronic VIP demand control.

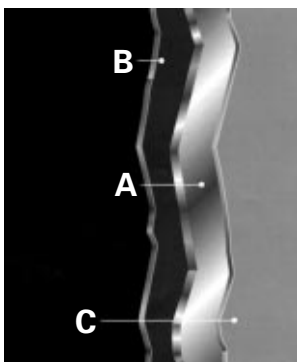
### ECODYNE SOFTENER FEATURES:

- Flow rates 1 to 2300 GPM
- 9" to 72" diameter tanks
- Exchange capacities of 30,000 to 10.2 million grains
- Valve sizes ranging from 1" to 6"
- Time clock or electronic VIP demand controls
- Custom options available
  - Skid mounted preplumbed systems
  - ASME tanks
  - High-temperature linings
  - High-pressure operation

## Choose from a variety of tanks and features!

### ECODYNE POLYBOND® TANKS

The Ecodyne Polybond tank is the best water softener tank in the industry. Its advanced design and manufacturing provides superior rust and corrosion resistance, durability, and overall quality. Rust stains on floors are now almost non-existent, and Polybond tanks look great on the job for years after their installation.



The Polybond industrial-grade steel tank features (A) fully butt-welded side shells, top, and bottom for maximum tank rigidity and leak-proof construction. A full lining of (B) thick, chemically inert polyethylene is permanently heat fused to the interior of the tank. On the exterior, a (C) 4-mil-thick coating of epoxy mastic enamel is applied for maximum rust and corrosion protection. Every Polybond tank undergoes a high-voltage spark test to check the integrity of the polyethylene lining and is water tested under pressure to prove it meets specifications.

### ECODYNE FIBERGLASS TANKS

Ecodyne manufactures its own fiberglass tanks in diameters through 24". This enables us to control both quality and manufacturing cost so we can produce superior tanks at very competitive prices. (Ecodyne's fiberglass tanks in sizes 30" in diameter and larger are made by outside manufacturers to our strict specifications.)



90,000 grain Polybond® tank with 1" valve



300,000 grain fiberglass system with 2" valve and VIP I control

### EPOXY LINED STEEL TANKS

Tanks feature industrial-grade steel. All interior surfaces that contact water are lined with an NSF approved, food-grade epoxy lining that meets FDA leachability requirements. Brine tanks are standard equipment and bulk storage systems are available as an option. Two 12" x 16" manways (1 in top head, 1 in lower sideshell) provide access to the rust-proof and corrosion-resistant PVC internal distribution system.



*Softener with Skid Mounted (option)*

### STEEL AND PVC VALVE NEST SYSTEMS

Ecodyne's Valve Nest systems provide outstanding performance and the added flexibility that multiport valves can't offer. They are ideal for most heavy-duty industrial softening applications with high flowrates at low pressure drops, corrosive water, high-temperature (condensate) and/or high-pressure softening, or with water-reuse/reconditioning requirements.



*1,200,000 grain Polybond® tank with PVC valve nest*

### TWIN ALTERNATOR SOFTENER SYSTEMS

Ecodyne Twin Alternator systems are designed for applications requiring a continuous flow of soft water up to 40 GPM and peak flows up to 54 GPM. The volume initiated demand softeners combine our advanced VIP electronic controls with the cost-effective Fleck® twin valve. The system keeps one tank in service while either regenerating or holding the other tank in standby.



*600,000 grain fiberglass twin alternating system*



*Triplex Softening system 8,100,000 grain capacity with variable flow control 100 psi ASME (option)*

## The Industry's Best Electronic Controls And System Design Software

### VOLUME INITIATED PROGRAMMABLE (VIP)

The Ecodyne VIP control ranks as the finest in the industry, because it reduces your costs by using less salt and water. VIP controls only regenerate your softener when necessary



*VIP Control*

– using its unique “look ahead” feature that initiates cycles based on accumulated data. If water usage varies for any reason, it automatically adjusts to recharge the system as needed.

The fully programmable, microprocessor-based VIP control offers a simple, 4-button keypad to program operating data. The control then automatically performs all the necessary calculations and determines available capacity. A built-in capacitor enables the unit to retain its memory after a short-term power loss, and its nonvolatile EEPROM memory retains all configuration and historical data, so you never lose the program.

### AUTOMATED SIZING AND APPLICATIONS PROGRAM (ASAP™)

The industry's most comprehensive and flexible system design software. It quickly and accurately determines the most efficient and economical system configuration for your water softening application. A “what if” feature lets you test many alternatives and explore options you might otherwise overlook. The program can also suggest more than one solution to each problem and considers



*Sizing Program*

all possible options: single, duplex, triplex or quadruplex configurations installed in parallel, alternating or variable flow mode (or any combination of these options). ASAP also features customer contact management, quotation preparation, and line drawing print out. Available on an IBM-compatible CD-ROM.

**Ecodyne Water Treatment, Inc.**

*1270 Frontenac Road*

*Naperville, IL 60563*

*toll free 800-228-9326*

*telephone 630-961-5043*

*fax 630-961-5174*

*e-mail [info@ecodyneind.com](mailto:info@ecodyneind.com)*

*[www.ecodyneind.com](http://www.ecodyneind.com)*

Distributed by:  
Industrial Equipment  
830 Cherry Street  
Chico, CA 95928  
(800) 287-8306

*OUR UNMATCHED EXPERIENCE, MANUFACTURING, AND PRODUCTS allow Ecodyne to deliver superior water treatment at the best value – today and in the future. As part of the largest privately-held manufacturer of water treatment equipment in North America, the Marmon Water Group, Inc., Ecodyne is able to draw on in-depth resources and expertise in a variety of water treatment technologies.*

*Please contact us today.*

