

# Commercial Water Softeners

Top Mounted FRP Tanks: 16" to 36" Diameter

SF-250A  
SERIES

Pure Aqua's water softeners treat water by removing hardness using resin. The resin replaces the hardness in the water with salt which is regenerated periodically. The softened water can then pass through an RO system to remove the salt without the risk of scaling. Softeners can be used in a variety of services including: industrial, municipal, and institutional applications.

## Standard Features

- 7 day time clock
- Premium fiberglass mineral tank
- Automatic motor driven control valve with fully adjustable regeneration cycles
- Self-adjusting backwash controller
- Flow controller to limit backwash flow
- Timed brine refill control
- High exchange capacity polystyrene resin
- Rigid polyethylene brine tank with safety brine valve, dust cover, and tubing

## Available Options

- 12 day time clock
- Meter control
- Tanks according to ASME code
- Epoxy lined steel tanks
- Stainless steel tanks
- 240V/1Ph/50Hz power supply
- Additional micro switch for interlock
- Interlock wiring
- Inlet/outlet sample valves
- Inlet/outlet pressure gauges
- Systems using diaphragm valves
- Hot water applications
- Systems for nitrate removal
- Vacuum breaker



CVP24300T

## Operating Specifications

- Electrical: 120VAC, 1-Phase, 60 Hz, 2 Amp
- Operating pressure: 25 - 125 psi (1.73 - 8.6 bar)
- Operating temperature: 35 - 100°F (2 - 38°C)



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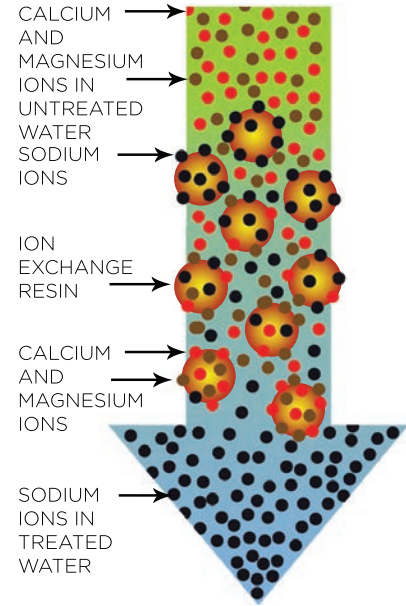
### Applications

- 💧 Apartments/condominiums
- 💧 Car washes
- 💧 Boiler feed water
- 💧 Manufacturing plants
- 💧 Office complexes
- 💧 Food processing plants
- 💧 Hospitals
- 💧 Restaurants



### Hardness Monitor

The hardness monitor continuously monitors water systems to provide an alarm when total hardness exceeds a pre-set limit.



Model #	Exchange Capacity	Flow Rate (GPM)			Pipe Size	Resin Qty. (ft <sup>3</sup> )	Tank Size (inch)		Salt Storage (lbs)	Shipping Weight (lbs)
		Avg.	Peak	Backwash			Softener	Brine		
<b>CVP Series 7 Day Time Clock Control</b>										
CVP16120	120,000	30	45	7	2"	4	16x65	24x50	900	365
CVP18150	150,000	42	59	9	2"	5	18x65	24x50	900	453
CVP21180	180,000	52	71	12	2"	6	21x62	24x50	900	563
CVP21210	210,000	50	68	12	2"	7	21x62	24x50	900	608
CVP24240	240,000	49	67	16	2"	8	24x72	24x50	900	818
CVP24300	300,000	52	68	16	2"	10	24x72	24x50	900	908
CVP30450	450,000	60	81	25	2"	15	30x72	30x50	1,400	1380
CVP36600	600,000	65	95	35	2"	20	36x72	30x50	1,400	1762

\* All softeners require periodic regeneration and backwashing to dispose of the accumulated debris and re-activate the resin media. This is accomplished by backwashing clean water through the unit and then starting the brine suction. To avoid interruption during regeneration, Pure Aqua can offer twin alternating or triplex water softeners to supply continuous softened water without interruption. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Pure Aqua also supplies: Custom Engineered Solutions, Multimedia Pretreatment, Activated Carbon Pretreatment, Chemical Dosing Systems, Ultraviolet (UV) Sterilizers and Ozonation Systems.

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