

COMMERCIAL WATER SOFTENER SYSTEM 85 TA SERIES

All systems are duplex operations



Overview

Canature has dedicated professional engineers with decades of commercial water treatment experience. Over the years, they have built a reputation for designing efficient, high quality commercial water softener systems.

Our 85 TA (Twin Alternating) Series softeners provide up to 16.6 gpm continuous soft water 24 hours a day. They are engineered and thoroughly tested to provide years of reliable, trouble free performance with a minimum of maintenance.

For Applications Such As

Apartments - Boiler Treatment - Cooling Towers - Motels - Schools - Nursing Homes - Car Wash - Dairies - Factories
Laundromats - Office Buildings - Resorts - Restaurants - RO Pre-treatment - Office Buildings - Hospitals

Operating Parameters

- Operating pressure: 20 - 125 psi
- Operating temperature: 39 - 100° F
- Electrical: Input 120V 60 Hz - Output 12V 650mA

Materials of Construction

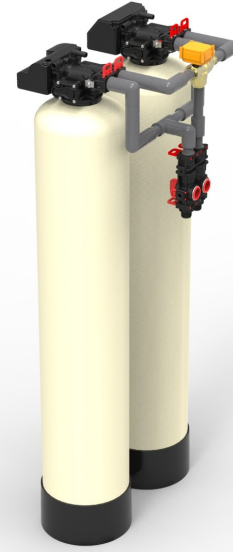
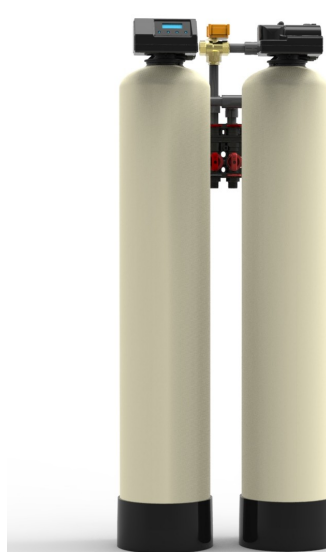
- Control Valve: Plastic PPO (Noryl)
- Resin Tanks: Corrosion resistant fibreglass reinforced polyethylene NSF 44 Certified
- Brine Tank: High density polyethylene (includes plastic salt plate, brine well & cap, air check, and safety float)
- Ion Exchange Resin: High Capacity WQA certified 8% Canature resin
- Internal Distributors: Sch 80 PVC/ABS

Features

- Up-flow Regeneration: Provides high efficiency and ultra low hardness leakage (less than 1 ppm)
- Master Controller: Fully programmable electronic controller with adjustable cycles.
- Alternating Flow: One tank is always off-line for regeneration or ready in stand by.
- Advanced Diagnostic Information: Easily trouble shoot and access system information displayed in real time.
- Back Wash Override: Reduces regeneration water usage by skipping pre set number of back wash cycles
- Softwater Refill: Adds treated water to the brine tank to keep brine clean and reduces maintenance.

Specifications

Specifications	CDA 23	CDA 30	CDA 45	CDA 60	CDA 90	CDA 120
Optional Settings - High Efficiency						
Salt Used - Per Regeneration	2.3 lbs	3.0 lbs	4.5 lbs	6.0 lbs	9.0 lbs	12.0 lbs
Water Used - Regeneration	22.6 gal	31.6 gal	44.3 gal	60.9 gal	102.2 gal	135.9 gal
Hardness Removal - Grains	11,250	15,000	22,500	30,000	45,000	60,000
Factory Settings - Standard Capacity						
Salt Used - Per Regeneration	4.5 lbs	6.0 lbs	9.0 lbs	12.0 lbs	18.0 lbs	24.0 lbs
Water Used - Regeneration	34.0 gal	43.4 gal	62.7 gal	87.1 gal	139.2 gal	185.1 gal
Hardness Removal - Grains	18,750	25,000	37,500	50,000	75,000	100,000
Optional - High Capacity						
Salt Used - Per Regeneration	7.5 lbs	10.0 lbs	15.0 lbs	20.0 lbs	30.0 lbs	40.0 lbs
Water Used - Regeneration	49.6 gal	64.3 gal	90.3 gal	124.6 gal	196.2 gal	260.7 gal
Hardness Removal - Grains	22,500	30,000	45,000	60,000	90,000	120,000
Resin Quantity - Cubic Feet	0.75 ft ³	1.0 ft ³	1.5 ft ³	2.0 ft ³	3.0 ft ³	4.0 ft ³
Tank Size	8x44	9x48	10x54	12x52	14x65	16x65
Tank Jacket / Media Loaded	No	No	No	No	No	No
Brine Tank / Cabinet Size (Inches)	18.1 x 34.5	18.1 x 34.5	18.1 x 34.5	20.3 x 37.4	23.0 x 40.5	23.0 x 40.5
Salt Storage Capacity	240 lbs	240 lbs	240 lbs	350 lbs	420 lbs	420 lbs
Flow Rate @ 15 psi Pressure Drop	10.4 gpm	11.0 gpm	11.2 gpm	12.2 gpm	12.6 gpm	12.6 gpm
Flow Rate @ 25 psi Pressure Drop	14.3 gpm	15.0 gpm	15.1 gpm	16.2 gpm	16.6 gpm	16.6 gpm
Back Wash Flow Rate	1.5 gpm	2.0 gpm	2.4 gpm	3.5 gpm	5.0 gpm	7.0 gpm
Shipping Weight	155 lbs	185 lbs	248 lbs	292 lbs	420 lbs	420 lbs
Plumbing Connections	3/4" (Optional 1")					
Resin Type	Canature 8% High Capacity Ion Exchange Resin					
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA					
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit					
Water Pressure	Min. 20 - Max. 125 psi					



Novo Water Conditioning
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We can manufacture to unique specifications or use our in-house engineering capabilities to develop a system to meet your specific requirements.