

85 TA 1" Series Commercial Water Softener

Canature WaterGroup™ 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 1" (Twin Alternating) Series softeners provide up to 16.6 gpm of continuous soft water 24 hours a day. They are engineered and thoroughly tested to provide years of reliable, trouble free performance with minimal maintenance.

Operating Parameters

- Operating pressure: 20 - 100 psi
- Operating temperature: 39 - 100° F
- Electrical: Input 120V 60 Hz - Output 12VAC 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 IAPMO certified 8% Canature resin
- Internal Distributors
- Optional: Stainless steel piping manifold

Standard Features

- Up-flow: Provides high efficiency and ultra low hardness leakage
- 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
- Optional: Stainless steel piping manifold
- Optional: Aux output closed during full regeneration cycle

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



85 TA 1" Series Commercial Water Softener: Specifications

All Canature WaterGroup™ water softener lines use proven piston, seal and spacer valve technology with electronic controllers and fiberglass tanks.



Model	Capacity	Resin per Tank	Salt Usage		Flow Rates per Tank			Dimensions				
			@15 lbs/Ft3	Ft ³	@15 lbs/Ft3	@10 lbs/Ft3	Critical Flow	85TA		Max Flow	Mineral Tank	Brine Tank
			@10 lbs/Ft3	M ³	Lbs (Kg)	Lbs (Kg)	USGPM	@ 15 PSI	@ 25 PSI	To Drain	in	in
							l/s	l/s	l/s	l/s	mm	mm
85TA-23	23,000	0.77	11.5 (5.2)	6.75 (3.1)	3.75	10.4	14.3	1.5	8 x 44	18 x 35		
	20,000	0.02			0.24	0.66	0.9	0.09	203 x 1118	460 x 876		
85TA-30	30,000	1	15 (6.8)	10 (4.5)	5.0	11	15	2	9 x 48	18 x 35		
	27,000	0.03			0.32	0.69	0.95	0.13	229 x 1219	460 x 876		
85TA-45	45,000	1.5	23 (10.2)	15 (6.8)	7.5	11.2	15.1	2.4	10 x 54	18 x 35		
	40,500	0.04			0.47	0.71	0.95	0.15	254 x 1372	460 x 876		
85TA-60	60,000	2	30 (13.6)	20 (9.1)	10	12.2	16.2	3.5	12 x 52	20 x 37		
	54,000	0.06			0.63	0.77	1.02	0.22	305 x 1321	516 x 950		
85TA-90	90,000	3	45 (20.5)	30 (13.6)	15	12.6	16.6	5	14 x 65	23 x 41		
	81,000	0.08			0.95	0.79	1.05	0.32	356 x 1651	584 x 1029		



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