

# 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	
					Critical	85TA		Max Flow	Mineral Tank	Brine Tank
					Flow	@ 15 PSI	@ 25 PSI	To Drain	in	in
					USGPM	USGPM	USGPM	USGPM	mm	mm
85TA-23	@15 lbs/Ft3	Ft <sup>3</sup>	@15 lbs/Ft3	@10 lbs/Ft3	3.75	10.4	14.3	1.5	8 x 44	18 x 35
	@10 lbs/Ft3	M <sup>3</sup>	Lbs (Kg)	Lbs (Kg)	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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