

# 95 MTS Series Commercial Water Softener

All systems are available in single, duplex, triplex, and quadplex operation.

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 95 MTS Series softeners provide up to 132 gpm continuous soft water (Quadplex system with one tank allowed off line for regeneration at all times) 24 hours a day. They are engineered and thoroughly tested to provide years of reliable, trouble free maintenance.

## Operating Parameters

- Operating pressure: 20 - 125 psi
- Operating temperature: 39 - 100° F
- Electrical: Input 120V 60 Hz - Output 24V

## Materials of Construction

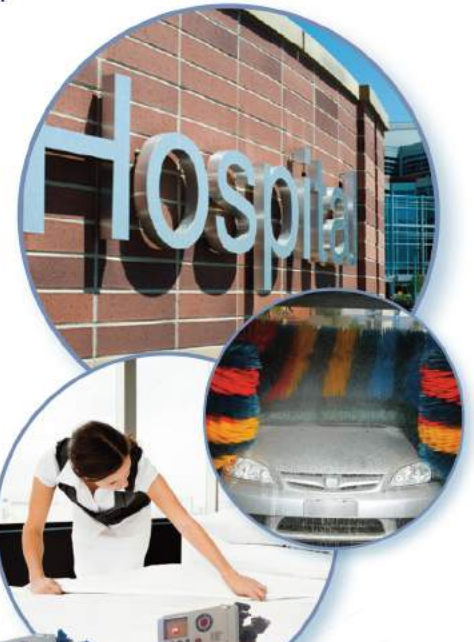
- Control Valve: Plastic PPO (Noryl)
- Resin Tanks: Corrosion resistant fibreglass reinforced polyethylene NSF 44 Certified
- Brine Tank: High density polyethylene (includes plastic salt plate, brine well & cap, air check and safety float)
- Ion Exchange Resin: High Capacity WQA certified 8% Canature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

## Standard Features

- MTS Controller: Fully programmable remote mounted control box.
- Parallel Flow: All tanks on-line and are interlocked so only one can regenerate at a time.
- Alternating Flow: At least one tank is always off-line for regeneration or ready in stand by.
- Demand Flow: Tanks come on or off-line according to the flow rate demand so that the system is always operating at optimum efficiency.
- Remote Start Signal Input: A remote button to be added so that a manual regeneration can be initiated from another location.
- System Interlock: A signal from other equipment can be accepted to lock out and prevent the system from regenerating.
- Advanced Diagnostic Information: Easily trouble shoot and access system information displayed in real time.
- Auxiliary Outputs: Up to two programmable outputs / relays can be added.
- Battery Back Up System: In the event of a power loss, the system can continue to meter and monitor water usage for up to 9 hours.

## Optional Features

- Polishing Rinse: A small pump recycles water from outlet to the inlet to keep the product water "polished" for high quality.
- Pre-Assembled installation accessories



## 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



# 95 MTS Systems Offer Unique Advantages

## Optimum Softening Efficiency

MTS systems use 40-50% less salt and regeneration water compared to conventional systems. During periods of high flow demand, tanks come on-line to add flow rate capacity. During periods of low flow demand, tanks go off-line insuring optimal efficiency and product water quality.

## Lower Capital Cost & Increased Flexibility

MTS systems are easily expandable and scalable. Additional tanks can be added to increase the capacity of the system as needed resulting in a lower initial investment compared to larger single or duplex systems.

## High Quality Soft Water Insurance

Other manufacturers cannot detect low flow rates or any flow at all if there is a power outage resulting in system capacity being consumed undetected. MTS systems can detect flow rates under 1 gpm and total flow during power outages for up to 9 hours insuring all water being treated is accounted for.

## Model Numbers

**95 MTS** - [cubic feet resin x 100] - [qty tanks]

**Example:** 95 MTS-300-2 = 3 cubic feet resin each tank, (2) 14x65 tanks

Duplex = 2 Brine Tank

Triplex = 3 Brine Tanks

Quadplex = 4 Brine Tanks

## Consistent High Quality Soft Water

MTS series systems are engineered to prevent "channelling" which in other types of systems can cause hard water to leak through the bed during periods of low flow rates. MTS systems bring tanks on and off-line so that the flow rate through the tanks is always at optimal efficiencies to insure high quality soft water.

## Lower Capital Cost & Increased Flexibility

The MTS systems are simple to install and maintain. Service technicians familiar with common residential products can easily install or service MTS systems.

## Specifications (Figures are per tank)

Salt Dosage		300	400	500	600	700	800	900	1000
		Grains Capacity							
Grains Capacity at Salt Dosage	3 lbs/ft	45,000	60,000	75,000	90,000	105,000	120,000	135,000	150,000
	6 lbs/ft	72,000	96,000	120,000	144,000	168,000	192,000	216,000	240,000
	10 lbs/ft	81,000	108,000	135,000	162,000	189,000	216,000	243,000	270,000
	15 lbs/ft	90,000	120,000	150,000	180,000	210,000	240,000	270,000	300,000
Recharge Water Use		110 gal	143 gal	187 gal	234 gal	250 gal	334 gal	350 gal	367 gal
Resin Quantity		3.0 ft	4.0 ft	5.0 ft	6.0 ft	7.0 ft	8.0 ft	9.0 ft	10.0 ft
Tank Size		14x65	16x65	18x65	21x62	21x62	24x72	24x72	24x72
Brine Tank Size (Inches)		23.0 x 40.5	23.0 x 40.5	23.0 x 40.5	29.1 x 50.2	29.1 x 50.2	33.1 x 52.6	33.1 x 52.6	33.1 x 52.6
Salt Storage Capacity		420 lbs	420 lbs	420 lbs	590 lbs	590 lbs	840 lbs	840 lbs	840 lbs
Optimum Flow Rate		15 gpm	20 gpm	25 gpm	30 gpm	31 gpm	32 gpm	32 gpm	32 gpm
Flow Rate @ 15 psi ΔP		25 gpm	27 gpm	32 gpm	31 gpm	31 gpm	32 gpm	32 gpm	32 gpm
Flow Rate @ 25 psi ΔP		35 gpm	38 gpm	43 gpm	42 gpm	42 gpm	44 gpm	44 gpm	43 gpm
Back Wash Flow Rate		5 gpm	7 gpm	8 gpm	11 gpm	11 gpm	17 gpm	17 gpm	17 gpm
Connecting Pipe Size		1.25" - 2" NPT							
Electrical Requirements		Input 120V 60 Hz - Output 12V 650mA							
Water Temperature		Min 39 - Max. 100 degrees Fahrenheit							
Water Pressure		Min. 20 - Max. 125 psi							



In the U.S.A. 800-354-7867  
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Your Local Water Treatment Professional

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