

Industry Leaders in
Innovation, Quality & Value

Canature[™]
NORTH AMERICA

MTS 95 SERIES

COMMERCIAL WATER SOFTENER SYSTEMS



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 water treatment systems. Canature Commercial Engineered Products reflect that overall commitment to excellence and are constructed using field tested designs with a proven record of reliability.

The MTS 95 (Multiple Tank Systems) provides up to 120 GPM continuous soft water (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 performance with a minimum of maintenance.

All components are factory tested and inspected. If the need for service arises, all components are standard and readily available from stock.

For Applications Such As

Apartments - Boiler Treatment - Motels - School - Nursing Homes
Office Buildings - Condominiums - Factories - Hospital - R/O Pre-Treatment

Engineered Systems



MTS Systems Offer Unique Advantages

Optimum Softening Efficiency

MTS systems are engineered for efficiency. They 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 out-

age 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.

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 .

Simplicity

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

Standard Features

Demand Flow

Tanks come on or off-line according to the flow rate demand so that the system is always operating at optimum efficiency.

Treated Water Regeneration

Tanks are regenerated with treated water to keep the brine system clean and keep hardness leakage to a minimum.

Remote Start Signal Input

An input is reserved on the PCB for 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 diagnostic information displayed in real time.

Optional Features

Polishing Rinse

A small pump recycles water from outlet to the inlet to keep the product water "polished" for high quality.

Auxiliary Outputs

Up to two programmable outputs / relays can be added.

Battery Back Up System

In the even of a power loss, the system can continue to meter and monitor water usage for up to 9 hours. If capacity reaches zero during the power outage, there is also an option to shut down the depleted tank.

Skid Mount

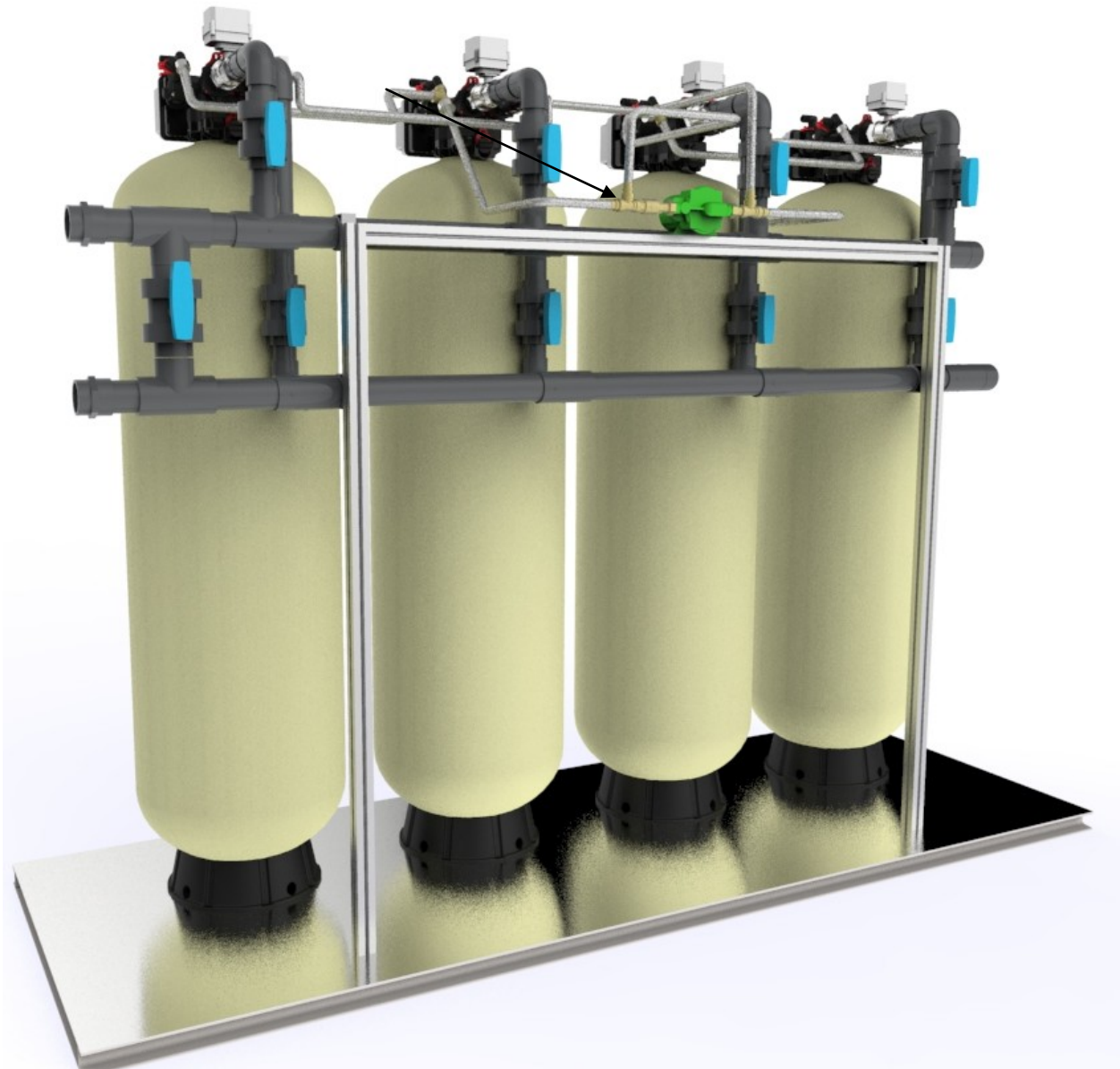
Systems can be skid mounted, pre-plumbed, pre-wired, and even loaded if required.



MTS Specifications

Tough Corrosion Resistant Pressure Vessels High Flow BNT 950 Control Valves

NSF approved filament wound mineral tanks with rugged polyethylene liners backed by a full 5 year parts and labour warranty. Feature BNT950 control valve backed by a 10 year warranty.



High Capacity Resin

Premium NSF 44 approved 8% Cation resin.

Optional Pre-Assembled System With Polishing Recycle Rinse

Pre assembled and factory tested.

Engineered Systems



MTS Sizing Charts

6LBS PER CUBIC FOOT

CONTINUOUS FLOW RATE (GPM < 15psi PRESSURE DROP)									
MTS2- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)							
		10	15	20	25	30	40	50	
MTS2-3 (14x65)	6	18	12	9	7	6	5	4	
MTS2-4 (16x65)	8	24	16	12	10	8	6	5	
MTS2-5 (18x65)	10	27	20	15	12	10	8	6	
CONTINUOUS FLOW RATE (GPM < 15psi PRESSURE DROP)									
MTS3- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)							
		10	15	20	25	30	40	50	
MTS3-3 (14x65)	9	37	24	18	15	12	9	7	
MTS3-4 (16x65)	12	47	33	24	20	16	12	10	
CONTINUOUS FLOW RATE (GPM < 15psi PRESSURE DROP)									
MTS4- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)							
		10	15	20	25	30	40	50	
MTS4-3 (14x65)	12	55	37	28	22	18	14	11	
MTS4-4 (16x65)	16	71	49	37	29	24	18	15	
MTS4-5 (18x65)	20	80	61	46	37	31	23	18	
MTS4-6 (21x62)	24	86	73	55	44	37	28	22	
MTS4-7 (21x62)	28	84	84	64	51	43	32	26	
MTS4-8 (24x72)	32	90	90	73	59	49	37	29	
MTS4-9 (24x72)	36	89	89	83	66	55	41	33	
MTS4-10 (24x72)	40	88	88	88	73	61	46	37	

PEAK CONTINUOUS FLOW RATE (GPM < 25psi PRESSURE DROP)										CRITICAL FLOW RATE (5 GPM/CF)	INSTANTANEOUS PEAK FLOW RATE (GPM < 25psi PRESSURE DROP)
MTS2- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)									
		10	15	20	25	30	40	50			
MTS2-3 (14x65)	6	28	18	14	11	9	7	6		15	30
MTS2-4 (16x65)	8	32	24	18	15	12	9	7		20	32
MTS2-5 (18x65)	10	36	31	23	18	15	11	9		25	36
MAX. CONTINUOUS FLOW RATE (GPM < 25psi PRESSURE DROP)										CRITICAL FLOW RATE (5 GPM/CF)	INTERMITTANT FLOW RATE (GPM < 25psi PRESSURE DROP)
MTS3- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)									
		10	15	20	25	30	40	50			
MTS3-3 (14x65)	9	55	37	28	22	18	14	11		30	60
MTS3-4 (16x65)	12	64	49	37	29	24	18	15		40	64
MAX. CONTINUOUS FLOW RATE (GPM < 25psi PRESSURE DROP)										CRITICAL FLOW RATE (5 GPM/CF)	INTERMITTANT FLOW RATE (GPM < 25psi PRESSURE DROP)
MTS4- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)									
		10	15	20	25	30	40	50			
MTS4-3 (14x65)	12	83	55	41	33	28	21	17		45	90
MTS4-4 (16x65)	16	103	73	55	44	37	28	22		60	103
MTS4-5 (18x65)	20	112	92	69	55	46	34	28		75	112
MTS4-6 (21x62)	24	117	110	83	66	55	41	33		90	117
MTS4-7 (21x62)	28	116	116	96	77	64	48	39		105	116
MTS4-8 (24x72)	32	122	122	110	88	73	55	44		118	122
MTS4-9 (24x72)	36	121	121	121	99	83	62	50		117	121
MTS4-10 (24x72)	40	120	120	120	110	92	69	55		116	120

10 LBS PER CUBIC FOOT

CONTINUOUS FLOW RATE (GPM < 15psi PRESSURE DROP)									
MTS2- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)							
		10	15	20	25	30	40	50	
MTS2-3 (14x65)	6	22	17	13	10	8	6	5	
MTS2-4 (16x65)	8	24	22	17	13	11	8	7	
MTS2-5 (18x65)	10	27	27	21	17	14	10	8	
CONTINUOUS FLOW RATE (GPM < 15psi PRESSURE DROP)									
MTS3- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)							
		10	15	20	25	30	40	50	
MTS3-3 (14x65)	9	44	33	25	20	17	13	10	
MTS3-4 (16x65)	12	47	44	33	27	22	17	13	
CONTINUOUS FLOW RATE (GPM < 15psi PRESSURE DROP)									
MTS4- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)							
		10	15	20	25	30	40	50	
MTS4-3 (14x65)	12	66	50	38	30	25	19	15	
MTS4-4 (16x65)	16	71	67	50	40	33	25	20	
MTS4-5 (18x65)	20	80	80	63	50	42	31	25	
MTS4-6 (21x62)	24	86	86	75	60	50	38	30	
MTS4-7 (21x62)	28	84	84	84	70	58	44	35	
MTS4-8 (24x72)	32	90	90	90	80	67	50	40	
MTS4-9 (24x72)	36	89	89	89	89	75	56	45	
MTS4-10 (24x72)	40	88	88	88	88	83	63	50	

PEAK CONTINUOUS FLOW RATE (GPM < 25psi PRESSURE DROP)										CRITICAL FLOW RATE (5 GPM/CF)	INSTANTANEOUS PEAK FLOW RATE (GPM < 25psi PRESSURE DROP)
MTS2- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)									
		10	15	20	25	30	40	50			
MTS2-3 (14x65)	6	30	25	19	15	13	9	8		15	30
MTS2-4 (16x65)	8	32	32	25	20	17	13	10		20	32
MTS2-5 (18x65)	10	36	36	31	25	21	16	13		25	36
MAX. CONTINUOUS FLOW RATE (GPM < 25psi PRESSURE DROP)										CRITICAL FLOW RATE (5 GPM/CF)	INTERMITTANT FLOW RATE (GPM < 25psi PRESSURE DROP)
MTS3- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)									
		10	15	20	25	30	40	50			
MTS3-3 (14x65)	9	60	50	38	30	25	19	15		30	60
MTS3-4 (16x65)	12	64	64	50	40	33	25	20		40	64
MAX. CONTINUOUS FLOW RATE (GPM < 25psi PRESSURE DROP)										CRITICAL FLOW RATE (5 GPM/CF)	INTERMITTANT FLOW RATE (GPM < 25psi PRESSURE DROP)
MTS4- CF / TANK	Total CF	HARDNESS (GRAINS PER GALLON)									
		10	15	20	25	30	40	50			
MTS4-3 (14x65)	12	90	75	56	45	38	28	23		45	90
MTS4-4 (16x65)	16	103	100	75	60	50	38	30		60	103
MTS4-5 (18x65)	20	112	112	94	75	63	47	38		75	112
MTS4-6 (21x62)	24	117	117	113	90	75	56	45		90	117
MTS4-7 (21x62)	28	116	116	116	105	88	66	53		105	116
MTS4-8 (24x72)	32	122	122	122	120	100	75	60		118	122
MTS4-9 (24x72)	36	121	121	121	121	113	84	68		117	121
MTS4-10 (24x72)	40	120	120	120	120	120	94	75		116	120

Note:

Peak Continuous Flow Rate is not Instantaneous flow rate. It represents a continuous high flow rate at peak times of the day (i.e. for 30 minutes or more)

Critical Flow Rate is based on optimum flow rate of 5 gpm per cubic foot resin.

Instantaneous Peak Flow Rate is the maximum flow rate for a short time (i.e. 1-5 minute period).

Operating Conditions

Pressure Range 25 to 125 psi

Temperature Up to 110 deg. F

Electrical 120V / 50/60Hz

Check with factory for other operating conditions.