

COMMERCIAL WATER FILTER SYSTEMS

Up to 16 tanks can be connected to a single main controller.



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 filter systems.

Our 95 MTS Series softeners provide continuous filtered water 24 hours a day. They are engineered and thoroughly tested to provide years of reliable, trouble free performance with a minimum of maintenance.

Materials of Construction

- Control Valve: Plastic PPO (Noryl)
- Resin Tanks: Corrosion resistant fibreglass reinforced polyethylene NSF 44 Certified
- Internal Distributors: Sch 80 PVC/ABS

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 - Hospitals

Engineered Systems

Standard Features

- MTS Controller: Fully programmable remote mounted control box.
- Regeneration Mode: 1) Time Clock, 2) Meter Delay, 3) Meter Immediate
- No Raw Water Bypass: During backwash and rinse, no raw water is bypassed to the service line.
- Regeneration Schedule: A regeneration can be scheduled every X days or by certain days of the week. (i.e. Sunday, Wednesday, Friday)
- Peak Flow Delayed Regeneration: Up to two periods per day can be blocked out so the system can preserve peak system flow rate.
- 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.
- Chemical Pump Dosing Control: A chemical pump can be controlled eliminating the need for a separate meter.
- 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

- Treated Water Backwash (Off line): System can be backwashed using filtered water stored off line.
- Pressure Drop Initiated Back Wash: When the tank pressure drop reaches a pre-set value a regeneration is initiated.
- Pre-Assembled installation accessories

95 MTS Filters

CMM FILTER (MULTI-MEDIA)

For removal of sediment, dirt and other forms of suspended matter. Provides particle filtration down to 10 micron. Media has excellent chemical properties—high silica content and low soluble calcium, magnesium and iron compounds.

CNX FILTER (NEXTSAND)

High capacity filtration for removal of sediment, dirt and other forms of suspended matter. Provides particle filtration down to 3 micron with 3-4 times increased service flow rate per square foot bed area over traditional sand media filters. Provides high flow rates, lower pressure drop and superior filtration performance

CAC FILTER (ACTICATED CARBON)

For the reduction of tastes, odors and dissolved organic chemicals from municipal and industrial water supplies. The media is manufactured from select grades of coconut shell coal to produce a high density, durable granular product capable of withstanding the abrasion and dynamics associated with repeated hydraulic transport, back-

washing and mechanical handling. The media has exceptionally high internal surface area with optimum pore size for the adsorption of a broad range of low molecular weight organic contaminants and oxidizing agents like chlorine and ozone.

CMG FILTER (GREENSAND)

For the oxidation and removal of iron, manganese, and hydrogen sulfide. Provides filtration level to 30 micron. Requires a potassium permanganate, chlorine, or other strong oxidant injection assembly to assist oxidative capacity of the filter media.

CBM FILTER (BIRM)

For the reduction of dissolved iron and manganese compounds. The Birm media is not consumed in the iron removal operation resulting in a low attrition loss. It has a wide temperature performance range and extremely high removal efficiency. The media does not require chemicals for regeneration and only periodic backwashing is required.

Specifications

MULTI-MEDIA FILTER

MODEL	TANK SIZE	SERVICE FLOW RATE PER TANK - GPM		MAX FLOW TO DRAIN - GPM
		Maximum	Typical	
CMM 10-1.5"	10x54	5	2.5	5
CMM 12-1.5"	12x52	7	3.5	7
CMM 14-1.5"	14x65	10.0	5.0	11
CMM 16-1.5"	16x65	14.0	7.0	17
CMM 18-1.5"	18x65	18.0	9.0	21
CMM 21-1.5"	21x62	24.0	12.0	30

GREENSAND FILTER

MODEL	TANK SIZE	SERVICE FLOW RATE PER TANK - GPM			MAX FLOW TO DRAIN - GPM
		0 - 3 PPM	3 - 8 PPM	8 - 15 PPM	
CMG 10-1.5"	10x54	2.5	1.5	1	5
CMG 12-1.5"	12x52	4	2	1.5	7
CMG 14-1.5"	14x65	5.0	3.0	2.0	11
CMG 16-1.5"	16x65	7.0	4.0	3.0	14
CMG 18-1.5"	18x65	9.0	5.0	3.5	21
CMG 21-1.5"	21x62	12.0	7.0	5.0	24

NEXSAND FILTER

MODEL	TANK SIZE	SERVICE FLOW RATE PER TANK - GPM		MAX FLOW TO DRAIN - GPM
		Maximum	Typical	
CNX 10-1.5"	10x54	8.2	2.8	5
CNX 12-1.5"	12x52	11.8	4.0	7
CNX 14-1.5"	14x65	16.0	5.3	11
CNX 16-1.5"	16x65	20.9	7.0	17
CNX 18-1.5"	18x65	26.5	8.8	21
CNX 21-1.5"	21x62	36.0	12.0	30

BIRM FILTER

MODEL	TANK SIZE	SERVICE FLOW RATE PER TANK - GPM	MAX FLOW TO DRAIN - GPM
		Typical	GPM
CBM 10-1.5"	10x54	2.5	5
CBM 12-1.5"	12x52	4.0	7
CBM 14-1.5"	14x65	5.0	11
CBM 16-1.5"	16x65	7.0	14
CBM 18-1.5"	18x65	9.0	21
CBM 21-1.5"	21x62	12.0	24

CARBON FILTER

MODEL	TANK SIZE	SERVICE FLOW RATE PER TANK - GPM	MAX FLOW TO DRAIN - GPM
		Typical	GPM
CAC 14-1.5"	14x65	6.0	11
CAC 16-1.5"	16x65	8.0	14
CAC 18-1.5"	18x65	10.0	21
CAC 21-1.5"	21x62	14.0	24
CAC 24-1.5"	24x72	19.0	30

NEUTRALIZER FILTER

MODEL	TANK SIZE	SERVICE FLOW RATE PER TANK - GPM		MAX FLOW TO DRAIN - GPM
		Maximum	Typical	
CNN 10-1.5"	10x54	2.5	1.5	5
CNN 12-1.5"	12x52	4.0	2.0	7
CNN 14-1.5"	14x65	5.0	3.0	11
CNN 16-1.5"	16x65	7.0	4.2	14
CNN 18-1.5"	18x65	9.0	5.0	21
CNN 21-1.5"	21x62	12.0	7.0	24

Operating Parameters

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

Model Numbers

95MTS - [filter type] - [tank size] - [inlet / outlet size]

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Engineered Systems

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