



# Central Texas Water Softeners™

Commercial/Industrial Engineering Division

## 105STS/MTS Valve Series Commercial Water Filter Greensand (105STS/MTS MG Filter)

**GREENSAND (105STS/MTS MG FILTER)** 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.

**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 systems.

Our **105STS Single Valve Series** filters provide high quality filtered water. The system is 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

### Materials of Construction

- Control Valve: Plastic PPO (Noryl)
- Resin Tanks: Corrosion resistant fiberglass reinforced polyethylene NSF 44 Certified
- Internal Distribution

### Standard Features

- 105 high flow control valve with RWB piston (standard)
- Large display: Fully programmable and easy to set electronic controller
- Inlet/Outlet connection sizes available in 1.5" and 2"
- Advanced Diagnostic Information: Easily trouble shoot and access system information displayed in real time
- Optional Auxiliary Contact: activated for regeneration cycle
- Battery Back-up System: In the event of a power outage, the system can continue to meter and monitor water usage for up to 9 hours



STS system



MTS system

### For Applications Such As:

- Apartments • Boiler Treatment • Cooling Towers • Hotels • Schools • Nursing Homes  
Car Wash • Dairies • Factories • Laundromats • Office Buildings • Resorts  
Restaurants • RO Pre-treatment • Office Buildings • Hospitals

# 105STS/MTS Valve Series Commercial Water Filter Specifications

## Manganese Greensand Filters

Single Series Model	0-3 PPM	3-8 PPM	8-15 PPM	Max Flow To Drain USGPM l/s	Pipe Size		Media Per Tank CF m <sup>3</sup>	Mineral Tank		Installation			Shipping Weight lbs kg	Operating Weight lbs kg
	Max Service Flow Rate				Service	Drain		Diameter	Height	Height	Depth	Width		
	USGPM	USGPM	USGPM		in	in		in	in	in	in	in		
	l/s	l/s	l/s		mm	mm		mm	mm	mm	mm	mm		
105STS/MTS MG14-2"*	5	3	2	10	2"*	2"*	2.75	14	65	86	32	20	398	798
	0.32	0.19	0.13	0.63	51	51	0.08	356	1,651	2,184	813	508	181	362
105STS/MTS S MG16-2"*	7	4	2.5	15	2"*	2"*	3.5	16	65	88	33	22	500	1,000
	0.44	0.25	0.16	0.95	51	51	0.1	406	1,651	2,235	838	559	227	454
105STS/MTS MG18-2"*	9	5	3.5	15	2"*	2"*	4.4	18	65	88	34	24	600	1,200
	0.56	0.32	0.22	0.95	51	51	0.13	475	1,651	2,235	864	610	272	544
105STS/MTS MG21-2"*	12	7	5	25	2"*	2"*	6	21	62	88	36	27	816	1,616
	0.76	0.44	0.32	1.58	51	51	0.17	533	1,575	2,235	914	686	370	733
105STS/MTS MG24-2"	16	9	6	30	2"	2"	7.85	24	72	96	37	30	1,031	2,131
	1.01	0.57	0.38	1.89	51	51	0.22	610	1,829	2,438	940	762	468	967
105STS/MTS MG30-2"	25	15	10	50	2"	2"	12.5	30	72	107	40	36	2,000	3,600
	1.575	0.945	0.63	3.15	51	51	0.35	762	1,829	2,718	1,016	914	907	1,633
105STS/MTS MG36-2"	35	21	14	70	2"	2"	17.6	36	72	107	44	42	2,600	4,600
	2.21	1.323	0.88	4.41	51	51	0.50	914	1,829	2,718	1,118	1,067	1,180	2,087

\* 1.5" also available



105STS Single Valve Series



MTS Controller



**CENTRAL TEXAS  
WATER SOFTENERS**

Call Us Today! 830.730.6799

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