Central Texas Water Softeners™

Commercial/Industrial Engineering Division

105STS/MTS Valve Series Commercial Water Filter

Activated Carbon (105STS/MTS AC Filter)

ACTIVATED CARBON (105STS/MTS AC FILTER) For the reduction of tastes and odors 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, backwashing 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, chloramine and ozone.

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.

STS system

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 fibreglass 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**

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

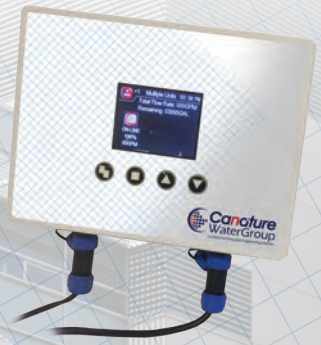
105STS/MTS Valve Series Commercial Water Filter Specifications

Carbon Filters

Single Series Model	Typical Service Flow Rate	RO Service Flow Rate	Max Flow To Drain	Pipe Size		Media	Mineral Tank		Installation			Shipping Weight	Operating Weight
				Service	Drain	Per Tank	Diameter	Height	Height	Depth	Width		
	USGPM	USGPM	USGPM	in	in	CF	in	in	in	in	in	lbs	lbs
	l/s	l/s	l/s	mm	mm	m^3	mm	mm	mm	mm	mm	kg	kg
105STS/MTS AC14-2"*	6	3	11	2"*	2"*	2.75	14	65	86	32	20	263	663
	0.38	0.19	0.69	51	51	0.08	356	1,651	2,184	813	508	119	301
105STS/MTS	8	4	14	2"*	2"*	3.5	16	65	88	33	22	303	803
AC16-2"*	0.5	0.25	0.88	51	51	0.1	406	1,651	2,235	838	559	137	364
105STS/MTS	10	5	17	2"*	2"*	4.5	18	65	88	34	24	395	995
AC18-2"*	0.63	0.32	1.07	51	51	0.13	475	1,651	2,235	864	610	179	451
105STS/MTS	14	7	24	2"*	2"*	6	21	62	88	36	27	479	1,279
AC21-2"*	0.88	0.44	1.51	51	51	0.17	533	1,575	2,235	914	686	217	580
105STS/MTS	19	8	30	2"	2"	8	24	72	96	37	30	573	1,673
AC24-2"	1.2	0.5	1.89	51	51	0.23	610	1,829	2,438	940	762	260	759
105STS/MTS	29	12	50	2"*	2"	12.5	30	72	107	40	36	1,200	2,800
AC30-2"	1.83	0.76	3.15	51	51	0.35	762	1,829	2,718	1,016	914	544	1,270
105STS/MTS	42	18	70	2"	2"	17.6	36	72	107	44	42	1,600	3,600
AC36-2"	2.65	1.13	4.41	51	51	0.50	914	1,829	2,718	1,118	1,067	726	1,633

* 1.5" also available

105STS Single Valve Series



MTS Controller

Designed, Engineered & Assembled in the U.S.A.

Canature™ WaterGroup
Commercial/Industrial Engineering Division

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