

105STS/MTS Valve Series Commercial Water Filter

Activated Carbon (105STS/MTS AC Filter)



MTS system

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.



105 Valve

Operating Parameters

- Operating pressure: 30 - 125 PSI (206 - 862 KPA)
- Operating temperature: 39 - 100 °F (4 - 38 °C)
- Electrical: Input 120V 60 Hz - Output 24VDC

Materials of Construction

- Control Valve: Plastic PPO - NSF/ANSI Certified
- Pressure Tanks: Corrosion resistant fibreglass reinforced polyethylene - NSF 44 Certified for Materials and Structural Integrity Requirements
- 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 troubleshoot 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

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.

Our **105 STS/MTS 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.

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

105STS/MTS Valve Series Commercial Water Filter Specifications

Carbon Filters

Single Series Model	Typical	RO	Max Flow To Drain	Pipe Size		Media Per Tank	Mineral Tank		Installation			Shipping Weight	Operating Weight
	Service Flow Rate			Service	Drain		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 AC16-2"*	8	4	14	2"*	2"*	3.5	16	65	88	33	22	303	803
	0.5	0.25	0.88	51	51	0.1	406	1,651	2,235	838	559	137	364
105STS/MTS AC18-2"*	10	5	17	2"*	2"*	4.5	18	65	88	34	24	395	995
	0.63	0.32	1.07	51	51	0.13	475	1,651	2,235	864	610	179	451
105STS/MTS AC21-2"*	14	7	24	2"*	2"*	6	21	62	88	36	27	479	1,279
	0.88	0.44	1.51	51	51	0.17	533	1,575	2,235	914	686	217	580
105STS/MTS AC24-2"	19	8	30	2"	2"	8	24	72	96	37	30	573	1,673
	1.2	0.5	1.89	51	51	0.23	610	1,829	2,438	940	762	260	759
105STS/MTS AC30-2"	29	12	50	2"*	2"	12.5	30	72	107	40	36	1,200	2,800
	1.83	0.76	3.15	51	51	0.35	762	1,829	2,718	1,016	914	544	1,270
105STS/MTS AC36-2"	42	18	70	2"	2"	17.6	36	72	107	44	42	1,600	3,600
	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



MTS Controller



STS system



NSF 44 Certified for Materials and Structural Integrity Requirements*

* Valve and tank are NSF 44



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