



Central Texas Water Softeners™

Commercial/Industrial Engineering Division

105STS/MTS Valve Series Commercial Water Filter

Birm (105STS/MTS BF Filter)

BIRM (105STS/MTS BF FILTER) 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.

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 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



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

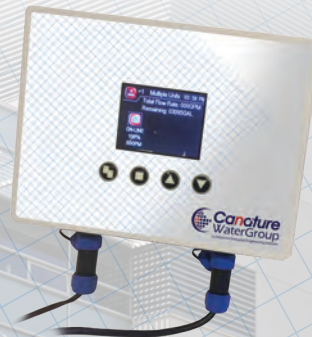
Birm Filters

Single Series Model	Typical	Max Flow To Drain	Pipe Size		Media Per Tank	Mineral Tank		Installation			Shipping Weight	Operating Weight
	Flow Rate		Service	Drain		Diameter	Height	Height	Depth	Width		
	USGPM	in	in	in	in	in	in	in	in			
	l/s	mm	mm	mm	mm	mm	mm	mm	mm			
105MTS/STS	5	10	2"*	2"*	2.5	14	65	86	32	20	307	707
BF14-2"*	0.32	0.63	51	51	0.071	356	1,651	2,184	813	508	139	321
105MTS/STS	7	15	2"*	2"*	3.5	16	65	88	33	22	366	866
BF16-2"*	0.44	0.95	51	51	0.01	406	1,651	2,235	838	559	166	393
105MTS/STS	9	15	2"*	2"*	4.5	18	65	88	34	24	466	1,066
BF18-2"*	0.57	0.95	51	51	0.13	475	1,651	2,235	864	610	211	484
105MTS/STS	12	25	2"*	2"*	6	21	62	88	36	27	587	1,387
BF21-2"*	0.76	1.58	51	51	0.17	533	1,575	2,235	914	686	266	629
105MTS/STS	16	30	2"	2"	8	24	72	96	37	30	787	1,887
BF24-2"	1.01	1.89	51	51	0.23	610	1,829	2,438	940	762	357	856
105MTS/STS	25	50	2"	2"	12.5	30	72	107	40	36	1,400	3,000
BF30-2"	1.575	3.15	51	51	0.35	762	1,829	2,718	1,016	914	635	1,361
105MTS/STS	35	70	2"	2"	17.6	36	72	107	44	42	1,900	3,900
BF36-2"	2.21	4.41	51	51	0.50	914	1,829	2,718	1,118	1,067	862	1,770

* 1.5" also available



105STS Single Valve Series



MTS Controller



**CENTRAL TEXAS
WATER SOFTENERS**

Call Us Today! 830.730.6799

20540 SH 46 E #115-306,
Spring Branch, TX 78070

www.texaswatersofteners.com