

Cooling and Process Water Media Filters

MFS SERIES



Our MFS series cooling and process water sand filters are designed to improve the efficiencies and extend the life of water cooled HVAC systems. Our filters provide a proven method for removing suspended solids in recirculating water systems. MFS filters enhance all treatment programs by reducing maintenance and downtime. Including our filtration in your process and cooling systems will facilitate energy and water savings, enabling you to achieve today's Cleantech standards.

Quality Materials Ensure System Longevity

The MFS series includes a carbon steel vessel and steel piping with epoxy coated interior and polyurethane enamel exterior to ensure system durability. A Type 304 stainless steel underdrain within the vessel minimizes maintenance requirements.

Integrated Filtration System

The MFS series features a complete skid including a filter vessel, system matched pump, piping, valves, automatic controls and media. As a result, installation and startup are simple and efficient.

Superior Particle Removal

Silica sand media is utilized to achieve efficient particle removal down to 10 microns or lower. The media is designed for consistent performance and the automatic backwash feature can utilize either process or city water. Alternate media materials are also available.

Factory Direct Pricing

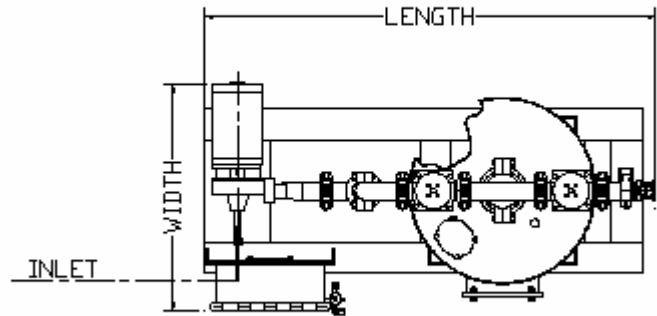
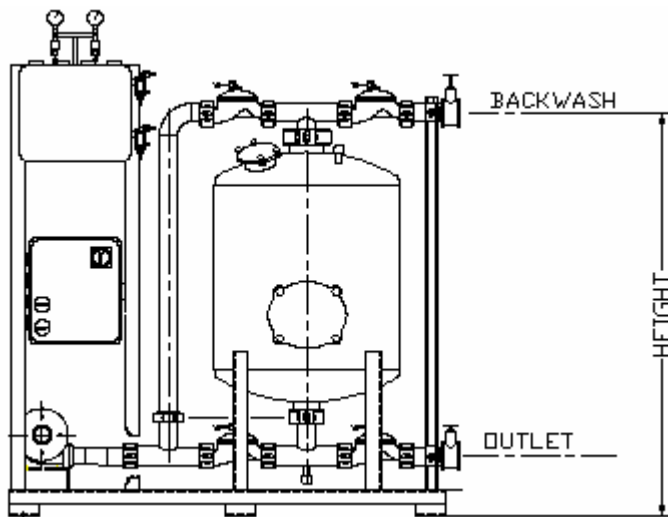
MFS filters are sold factory direct to water treatment professionals to provide the most competitive pricing available.

Custom Options

MFS filters can be customized with a variety of options which will meet any specification, including ASME coded vessels.



SPECIFICATIONS



Model	Flow Rate (U.S. gpm)	Filtration Surface Area (ft ²)	Inlet/Outlet Size (in.)	Pump (HP)	Length (in.)	Width (in.)	Height (in.)	Shipping Weight (lbs.)
MFS-14	22	1.10	1 1/4 / 2	1/2	59	29	48	725
MFS-18	35	1.75	1 1/4 / 2	1	60	29	51	850
MFS-24	63	3.15	2 / 2	1 1/2	61	29	53	1180
MFS-30	100	4.91	2 / 3	3	70	36	56	1620
MFS-36	142	7.10	2 / 3	3	72	38	62	2290
MFS-48	252	12.60	3 / 3	5	91	52	71	4080
MFS-54	318	15.91	3 / 3	10	96	56	75	4500

*Note - all dimensions and weights are approximate

Filter Vessel:

100 psi Carbon Steel - interior epoxy coated, exterior polyurethane enamel (except MFS-48 and MFS-54 - 80 psi)

Internal Distribution:

Type 304 Stainless Steel wedge wire type underdrain, epoxy coated carbon steel overdrain

Media:

Sharp crushed silica sand filter media with gravel underbedding - 10 micron nominal removal efficiency

Pump:

Cast iron, bronze fitted, flooded suction, single stage, heavy duty, TEFC motor

Face Piping:

Carbon Steel - interior epoxy coated, exterior polyurethane enamel

Valves/Actuators:

Diaphragm valves with pneumatic or hydraulic actuators

Backwash:

Initiated by timer or differential pressure, system water backwash source standard

Electrical Controls:

Solid state automatic controller in NEMA 4X housing, with manual motor starter, panel disconnect and on/off switch

Power Supply:

460 VAC, 3 phase single source power supply required

Skid:

Heavy duty carbon steel skid with polyurethane enamel, all components premounted and prewired



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