

# Cooling and Process Water Media Filters

## MFF SERIES

Our MFF series cooling and process water sand filters are designed to economically 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. MFF 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.

### Factory Direct Pricing

MFF filters are sold factory direct to water treatment professionals to provide the most competitive pricing available. Electric H<sub>2</sub>O's MFF series pricing allows filtration to be specified for installations where it had been previously considered unaffordable.

### Economical Features

The MFF series provides a lower cost filtration alternative to filters which utilize steel materials. Key features of MFF filters include a wound fiberglass vessel and Schedule 80 PVC piping with diaphragm valves and a stainless steel base. These features provide superior filtration at an economical price.

### Integrated Filtration System

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

### Corrosion Resistance

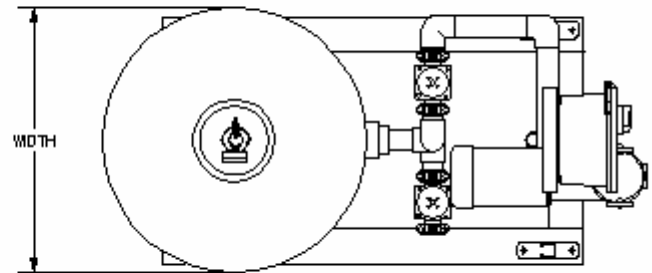
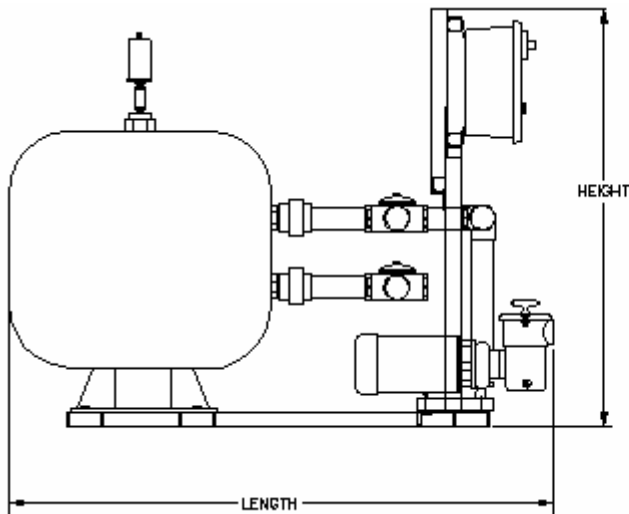
All components utilized on the MFF series filters are corrosion resistant. This allows for superior longevity, even in the harshest environments.

### Custom Options

MFF filters can be customized with a variety of options which will meet any specification.



# SPECIFICATIONS



Model	Flow Rate (U.S. gpm)	Filtration Surface Area (ft <sup>2</sup> )	Inlet/Outlet Size (in.)	Pump (HP)	Length (in.)	Width (in.)	Height (in.)	Shipping Weight (lbs.)
<b>MFF-18</b>	35	1.75	2 / 2	1	66	30	54	600
<b>MFF-24</b>	63	3.15	2 / 2	1 1/2	69	30	54	700
<b>MFF-30</b>	100	4.91	2 / 2	3	72	35	54	900
<b>MFF-36</b>	142	7.05	3 / 3	3	77	48	65	1475
<b>MFF-42</b>	192	9.60	3 / 3	5	77	48	65	2200
<b>MFF-48</b>	250	12.05	3 / 3	5	83	48	66	3800

\*Note - all dimensions and weights are approximate

## Filter Vessel:

50 psi wound Fiberglass

## Internal Distribution:

Schedule 80 PVC underdrain and overdrain

## Media:

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

## Pump:

Noryl, flooded suction, single stage, ODP motor

## Face Piping:

Schedule 80 PVC

## Valves/Actuators:

Diaphragm valves with pneumatic or hydraulic actuators

## Backwash:

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

## Electrical Controls:

Automatic controller in NEMA 3R 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 stainless steel skid, all components premounted and prewired



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