



# TAFMZ Series 2" Sediment Filters

## Sediment Filters

The Biolab TAFMZ 2" Series Sediment Filter is designed to efficiently remove suspended solids and fine turbidity particles down to 5 micron from incoming water. Our complete system series features the Magnum IT™ valve with standard controller for simple operation and efficient backwashing.

### Operating Parameters

- Pressure: 20-100 psi (138 - 690 KPA)
- Temperature: 35-100° F (2-38° C)
- Electrical: 115/60Hz, single phase
- Inlet/Outlet: 2.0 inch
- Drain: 1.5 inch

### Standard Features

- Fully automatic backwash
- Flow rates up to 75 USgpm
- Flow rates up to 150 USgpm
- Durable, high quality Micro Z™ media
- Less than 5 micron filtration
- Non-corroding fiberglass tank
- Valve constructed of plastic materials
- Standard reliable electronic timer
- Up to 2 x loading capacity compared to standard multimedia (reduced backwash frequency)

### Typical Applications

- Reverse osmosis pretreatment
- Boiler feedwater
- Reagent grade laboratory water systems
- USP purified water systems
- Commercial water systems
- Food and beverage



### Options Available

- Single, duplex twin alternating or parallel configs
- Free standing or skid-mounted systems
- Factory, fully pre-plumbed & pre-wired systems
- Custom installations and valve nests to meet facility requirements

### Materials of Construction

- Media Tank: FRP - HDPE lined
- Control Valve: Glass filled Noryl®
- Media: Micro Z with gravel bed
- Distributor Piping: PVC

## TAFMZ Series 2" Sediment Filters @ 25°C

Model Number	Flow Design (USgpm)	Media Volume (Ft. <sup>3</sup> )	Backwash Flow (USgpm)	Pressure Drop @ Peek (psig)	Media Tank W x H (In.)	Shipping Weight (Lbs.)	Space Requirements W x D x H
TAFMZ-1865M	25	6	25	3	18 x 65	600	18 x 18 x 75
TAFMZ-2162M	36	9	35	7	21 x 62	675	21 x 21 x 74
TAFMZ-2472M	47	12	45	12	24 x 72	1040	24 x 24 x 84
TAFMZ-3072M	75	19	70	17	30 x 72	1335	30 x 30 x 84

Note: All weights and dimensions are approximate. Duplex, Parallel and Triplex systems are available.

### Installation Considerations

- For proper serviceability, it is recommended that there be 18" of space around the entire system. A minimum of 12" is required. The tanks should be installed on a firm, level surface.
- The inlet piping should be sized large enough to provide the required water flow for both service flow and backwashing of the tanks with minimum amount of pressure loss.
- A drain with suitable capability for the backwash flow rate of the tanks is required.
- Isolation valves, pressure gauges, sample ports, a vacuum breaker and a relief valve should be installed on each assembly.

### For More Information

- Contact one of our application specialists at USA (800) 346-0365 or Canada (800) 268-5035, or visit [www.mcpur.com](http://www.mcpur.com)

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