



# TAFMZ Series 1" Sediment Filters

## *Sediment Filters*

The Biolab TAFMZ 1" 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 Performa™ 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: 1.0 inch
- Drain: 0.75 inch

## Standard Features

- Fully automatic backwash
- Flow rates up to 20 USgpm
- Flow rates up to 40 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™ media with gravel bed
- Distributor Piping: PVC

## TAFMZ Series 1" 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-1047P  | 7                   | 1.5                              | 7                     | 5                           | 10 x 47                | 160                    | 10 x 10 x 57                 |
| TAFMZ-1252P  | 12                  | 3                                | 11                    | 6                           | 12 x 52                | 225                    | 12 x 12 x 62                 |
| TAFMZ-1465P  | 16                  | 4                                | 15                    | 7                           | 14 x 65                | 380                    | 14 x 14 x 75                 |
| TAFMZ-1665P  | 20                  | 5                                | 20                    | 12                          | 16 x 65                | 530                    | 16 x 16 x 75                 |

Note: All weights and dimensions are approximate.

### 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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