

## Pretreatment - Sediment Filters

### TAFMZ Series, 1" Sediment Filter

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

### Materials of Construction

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

### Standard Features

- Fully automatic backwash
- Flow rates up to 20 USgpm
- Parallel 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)



### Options Available

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

### Typical Applications

- Reverse osmosis system pretreatment
- Boiler feedwater
- Reagent grade lab water systems
- USP purified water systems
- Hemodialysis & Life Sciences water systems
- Commercial & Industrial water systems
- Food and Beverage Industry

## 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 (In)
TAFMZ-1047P	7	1.5	7	5	10 x 47	160	10 x 10 x 57
TAFMZ-1252P	12	2	10	6	12 x 52	225	12 x 12 x 62
TAFMZ-1465P	16	3	15	7	14 x 65	380	14 x 14 x 75
TAFMZ-1665P	20	4	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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