

Pretreatment - Multimedia Filters

TAFML Series, 1" Multimedia Filter

The Biolab TAFML 1" Series Multimedia Filter is designed to efficiently remove suspended solids and fine turbidity particles down to 15 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
- Parallel flow rates up to 40 USgpm
- Durable, high quality Multi-layered media
- Less than 15 micron filtration
- Non-corroding fiberglass tank
- Valve constructed of plastic materials
- Standard reliable electronic timer

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



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

Materials of Construction

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

TAFMZ Series 1" Multimedia Filters @ 25°C

Model Number	Flow Design (USgpm)	Media Volume (Ft. ³)	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	8	5	10 x 47	160	10 x 10 x 57
TAFMZ-1252P	12	3	12	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

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