



TAFC Series 1" Carbon Filters

Activated Carbon Filters

The Biolab TAFC 1" Series Activated Carbon Filters are designed to eliminate color, odor, and/or toxicity primarily chlorine and chloramines 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
- Single unit flow rates up to 21 USgpm
- Duplex parallel flow rates up to 42 USgpm
- High quality activated carbon
- Non-corroding fiberglass tank
- Valve constructed of plastic materials
- Standard reliable electronic timer

Typical Applications

- Reverse osmosis pretreatment
- Boiler feedwater
- Reagent grade laboratory water systems
- USP purified water systems
- Hemodialysis 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: Activated, high quality granular carbon
- Distributor Piping: PVC

TAFC Series 1" Carbon Filters @ 25°C

Model Number	Flow Chlorine (USgpm)	5 Min. Empty Bed Contact (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
TAFC-1047P	4.5	2.2	1.5	6	3	10 x 47	105	10 x 10 x 57
TAFC-1252P	6	2.9	2	8	4	12 x 52	125	12 x 12 x 62
TAFC-1465P	9	4.4	3	10	6	14 x 65	240	14 x 14 x 75
TAFC-1665P	12	5.9	4	15	8	16 x 65	340	16 x 16 x 75
TAFC-1865P	15	7.4	5	20	11	18 x 65	375	18 x 18 x 75
TAFC-2162P	21	10.4	7	25	17	21 x 62	410	21 x 21 x 72

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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