MAR COR® PURIFICATION
A Cantel Medical Company

Pretreatment - Carbon Filters

TAFC Series, 2" Activated Carbon Filters

The Biolab TAFC 2" 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 Magnum IT™ valve with standard controller for simple operation and efficient backwashing.

Operating Parameters

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

Standard Features

- Fully automatic backwash
- Single unit flow rates up to 60 USgpm
- Parallel flow rates up to 120 USgpm
- High quality activated carbon
- 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

Materials of Construction

- Media Tank: FRP - HDPE lined
- Control Valve: Glass filled Noryl®
- Media: Activated, high quality granular carbon
- Distributor Piping: PVC

Options Available

- Single, duplex 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

TAFC Series 2” Carbon Filters @ 25°C

Model Number	Flow Design (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-2162M	21	10	7	25	5	21 x 62	410	21 x 21 x 84
TAFC-2472M	30	14	10	30	9	24 x 72	660	24 x 24 x 99
TAFC-3072M	45	22	15	50	14	30 x 72	960	30 x 30 x 99
TAFC-3672M	60	31	20	70	17	36 x 72	1200	36 x 36 x 99

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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