

## Pretreatment - Carbon Filters

### T AFC Series, 1" Activated Carbon Filters

The Biolab T AFC 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 20 USgpm
- Parallel flow rates up to 40 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 configuration
- Free standing or skid-mounted systems
- Factory, fully pre-plumbed & pre-wired system
- Custom installations and valve nests to meet facility requirements

## Product Specifications

### T AFC Series 1" Carbon Filters @ 25°C

Model Number	Flow Chlorine (USgpm)	5 Min. Empty Bed Contact (USgpm)	Media Volume (Ft. <sup>3</sup> )	Backwash Flow (USgpm)	Media Tank W x H (In.)	Shipping Weight (Lbs.)	Space Requirements W x D x H (In.)
T AFC-1047P	4.5	2.2	1.5	6	10 x 47	105	10 x 10 x 57
T AFC-1252P	6	3	2	8	12 x 52	125	12 x 12 x 62
T AFC-1465P	9	4.5	3	10	14 x 65	240	14 x 14 x 75
T AFC-1665P	12	6	4	15	16 x 65	340	16 x 16 x 75
T AFC-1865P	15	7.5	5	20	18 x 65	375	18 x 18 x 75
T AFC-2162P	20	10	7	25	21 x 62	410	21 x 21 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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