

# AFC Capsule Series Disposal Filters



## Product Introduction



AFC series filter cartridge utilized 100% Polytetrafluoro-ethylene(PTFE) membrane. It is ideally suitable for the most fluid, especially for semiconductor manufacturing process and filtration of high purity chemical at high operating temperature. Moreover, AFC series filter has high surface area for high flow rate with low pressure drop to provide long service life. Each cartridge is individually tested through integrity test to ensure the quality before releasing.

- Manufactured in a class 1,000 clean room
- Manufactured under a certified ISO 9001 quality system

## Product Specifications

### Material of Construction

- Filter Media: Polytetrafluoro-ethylene(PTFE) Membrane
- Support Material: Polytetrafluoro-ethylene(PTFE)
- Outer Cage/Core: Polyfluoroalkoxy(PFA)
- End Caps: Polyfluoroalkoxy(PFA)
- Hardware: Polyfluoroalkoxy(PFA)

### Dimensions

- Length: 10"
- Form: In Line, T-Flow, L-Flow
- Inlet/Outlet: 1/2", 3/8", 3/4"
- Connection Type: Super Pillar, Pillar 300 Series, Flow-Well 20 Series

## Performance Specifications

### Retention Ratings

0.05, 0.1, 0.2, 0.45, 1, 5, 10  $\mu$ m

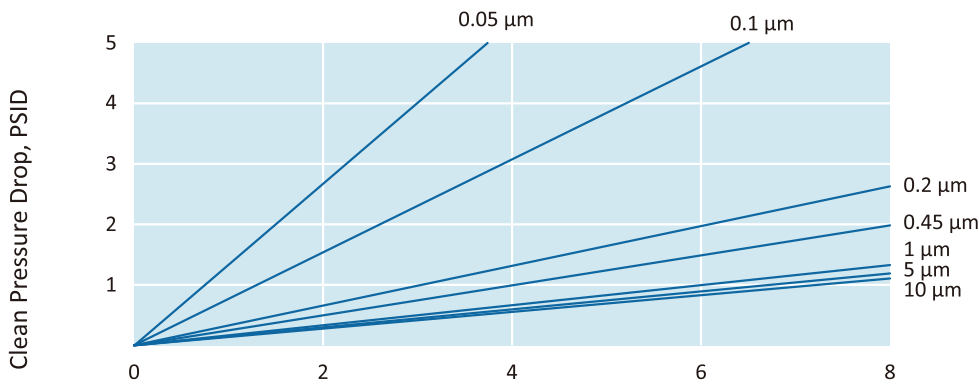
### Operating Conditions

- Maximum Operating Temperature: 356°F (180°C)
- Recommended Change Out Differential Pressure: 35 psid (2.4 bar)

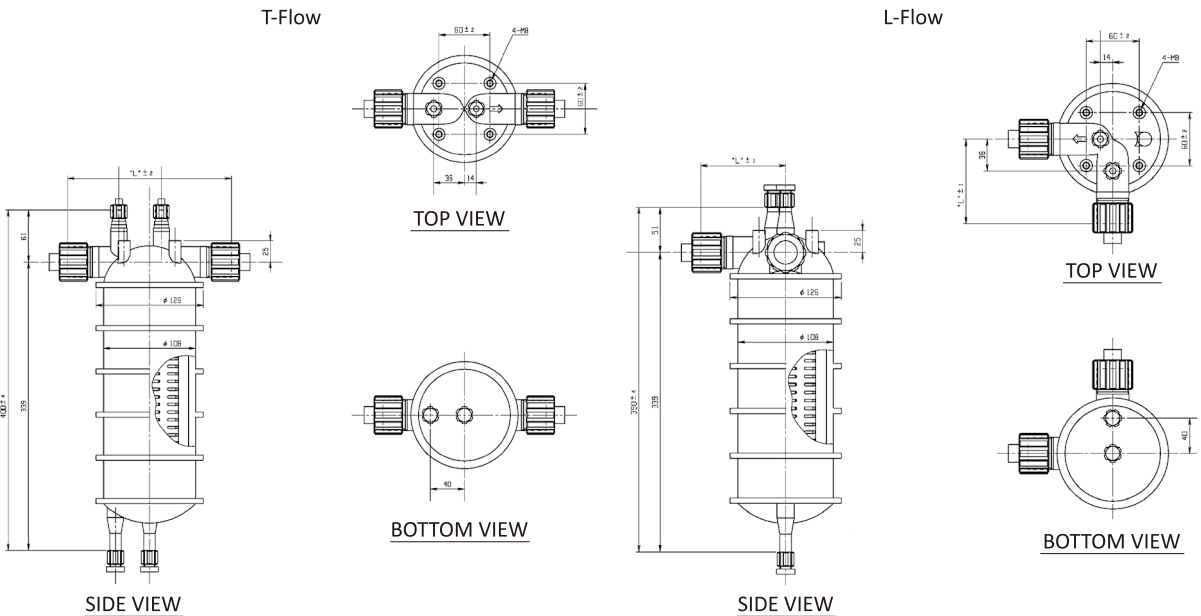
### Applications

High-temperature Phosphoric Acid, High-temperature Sulfuric Acid, Hydrogen Peroxide, Other Chemicals, etc.

## Liquid Flow Rate vs. Initial Differential Pressure



Flow rate is per 10" cartridge. For liquids other than water, multiply the pressure drop by the fluid viscosity in centipoises.



## Ordering Information

AFC	0.2-	IL-	3/8-	300
Product Name	Retention Rating	Form	Inlet/Outlet Connection	Connection Type
AFC	0.05, 0.1, 0.2 0.45, 1, 5 10 $\mu$ m	IL=In Line TF=T-Flow LF=L-Flow	1/2=1/2", 3/8=3/8", 3/4=3/4"	SP=Super Pillar, 300=Pillar 300 Series, 20=Flow-Well 20 Series