

# All Tech-Flow Series Filter Cartridges



## Product Introduction

ATEF series filter cartridge utilized 100% Polytetrafluoro-ethylene(PTFE) membrane with wide chemical compatibility and endures high temperature. It is ideally suitable for the most semiconductor manufacturing process and filtration of high purity chemical at high operating temperature. Moreover, ATEF 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.

- Absolute rated at 99 efficiency with retention
- 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)
- Hardware: Polyfluoroalkoxy(PFA)
- End Cap: Polyfluoroalkoxy(PFA)
- O-ring: Teflon Encapsulated Viton

### Dimensions

- Outside Diameter: 2.76" (70mm)
- Inside Diameter: 1.1" (28mm)
- Length: 4", 10", 20", 30"

## Performance Specifications

### Retention Ratings

0.02, 0.03, 0.05, 0.1, 0.2, 0.45, 1, 5, 10 µm Absolute

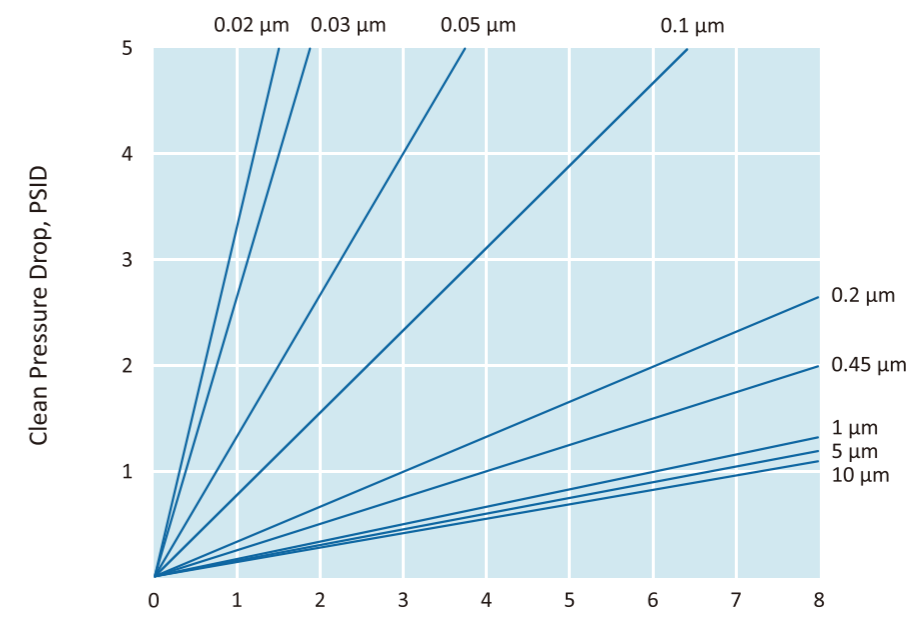
### Operating Conditions

- Maximum Operating Differential Pressure: 85.6 psid (5.9 bar)
- Maximum Operating Temperature: 356°F (180°C)

### Applications

High-temperature Phosphoric Acid, High-temperature Sulfuric Acid, Hydrogen Peroxide, Isopropyl Alcohol(IPA), Ozonated Water, Chemical (for Organic EL), Chemical (for Inorganic EL), etc.

## Liquid Flow Rate vs. Initial Differential Pressure



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

## Ordering Information

ATEF	0.2-	10-	3	F
Product Name	Retention Rating	Cartridge Length	End Configuration	O-ring Material
ATEF	0.02, 0.03, 0.05, 0.1, 0.2, 0.45, 1, 5, 10 µm	4", 10", 20", 30"	Code 3=222 / Flat	F=Teflon Encapsulated Viton

