

FasClean-Flow Series Filter Cartridges



Product Introduction

FasClean-Flow series filter cartridges have extra high surface area for high flow filtration. It is commonly a superior choice for generation 7 & 8 TFT-LCD glass cleaning and high-end wet processing applications. The high purity polypropylene hardware construction of FasClean-Flow series can be applied to many process fluids to ensure wide chemical compatibility. The compact cartridge design of FasClean-Flow series permits long on-stream life to reduce equipment down-time and maintenance costs. Besides, it is compatible with Filtrafine CSV series filter housing.

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

Product Specifications

Materials of Construction

- Filter Media: E: Depth Melt Blown Polypropylene
P: High Flow Melt Blown Polypropylene
S: Highly Asymmetric PES Membrane
T: Expanded Polytetrafluoro-ethylene (ePTFE) Membrane
- Hardware: High Purity Polypropylene
- Sealing: Thermal Bond
- Support Material: Polypropylene
- Gaskets/O-rings: EPDM, Viton, Teflon Encapsulated Viton

Dimensions

- Outside Diameter: 5.16" (131mm)
- Length: 10"

Performance Specifications

Retention Ratings

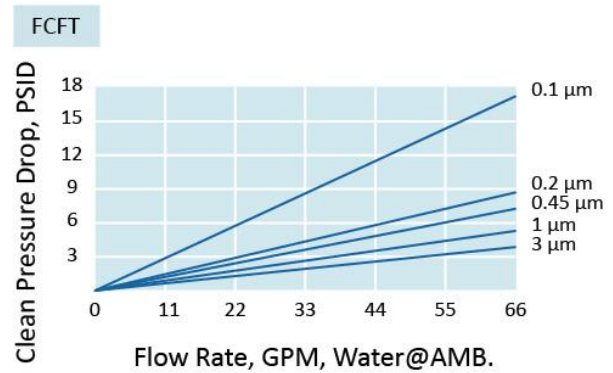
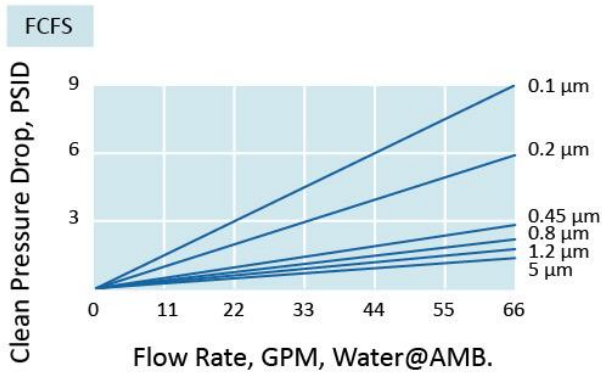
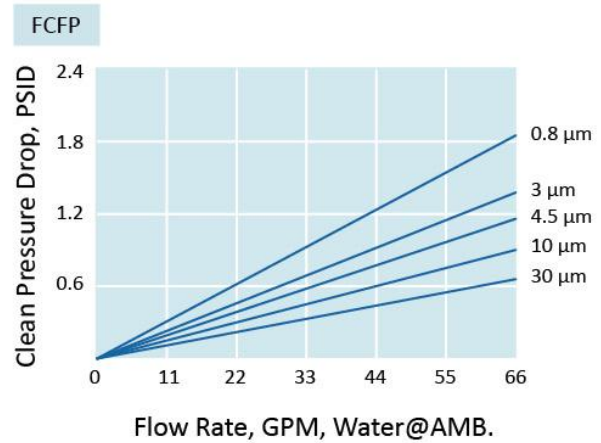
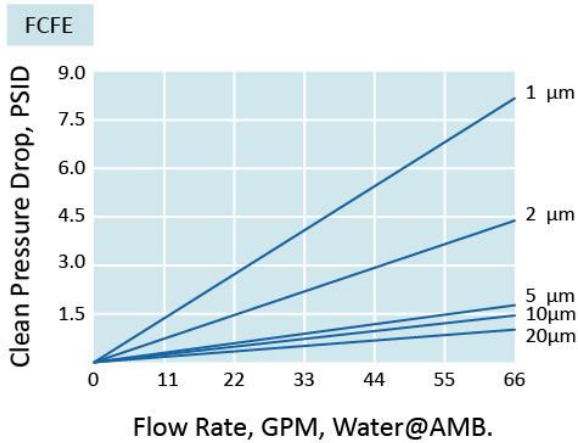
- FCFE: 1, 2, 5, 10, 20 μm Absolute
- FCFP: 0.8, 3, 4.5, 10, 30 μm
- FCFS: 0.1, 0.2, 0.45, 0.8, 1.2, 5 μm Absolute
- FCFT: 0.1, 0.2, 0.45, 1, 3 μm Absolute

Operating Conditions

- Maximum Operating Temperature: 180°F (82°C)
- Recommended Change Out Differential Pressure: 35 psid (2.4 bar)



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

| FCFE | 5- | 10- | 334- | E |
|---------------------|---|------------------|---------------------|--------------------|
| Product Name | Retention Rating | Cartridge Length | End Configuration | O-ring Material |
| FCFE (Depth PP) | 1, 2, 5, 10, 20 μm | 10" | 334=Flat Closed End | E=EPDM |
| FCFP (High Flow PP) | 0.8, 3, 4.5, 10, 30 μm | | | V=Viton |
| FCFS (PES) | 0.1, 0.2, 0.45, 0.8, 1.2, 5 μm | | | F=Teflon |
| FCFT (PTFE) | 0.1, 0.2, 0.45, 1, 3 μm | | | Encapsulated Viton |