PTFE Filter Cartridge (Hydrophobic)

Advantages:

- Suitable for removing the bacterial in gas and air.
- Imported high quality membrane, filtration effective is ≥99.99%.
- Minimum pore size is 0.1um, suitable for critical gas filtration.
- Free of surfactant, resins, binders and adhesives.
- Standard: Clean and flushed with Pyrogen-free water.
- Vacuum packing.

Material Of Construction:

- Filter Media: PTFE Membrane
- Support Layers: Polypropylene
- Inner core: SUS304
- Outer Support: Glass Fiber reinforced cage
- Adapter: Polypropylene with encapsulated SUS304 reinforcing ring

Specifications:

- Outer Diameter: 69mm (2.75")
- Inner Diameter: 33mm (1.30")
- Length: 10"- 254mm, 20"- 508mm, 30"-762mm, 40"- 1016mm

*(Length is based on DOE Adapter).

Technical Data:

- Normal Operating Temperature: Up to 65°C (149°F)
- Max. Operating Temperature & Max. Differential Pressure: 90°C (194°F) at ΔP≤1.0 bar (14psi)
- Normal Flow direction 4.2 bar (60 psi) at 25°C (77°F)
- Reverse flow direction 2.1 bar (30psi) at 25°C (77°F)
- PH Value compatibility: 1-14
- Effective Filtration Area: 0.65m^2 per 10"
- Steam Sterilization for 30 minutes at 135°C(275°F)
- Cumulative Time: 50hours

Applications:

- Fermentation air, Tank vent
- Compressed air, Sterile process gases
- Ultrafine particles existed in air.

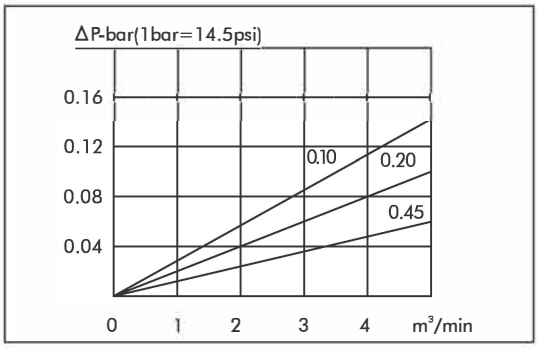
Table 1: Liquid Retention Ratings(μm) Test

Cartridge Code	≥99.99%(Beta ratio 10,000)
IPF010	0.1
IPF020	0.2
IPF045	0.45

Table 2: 100% Integrity Test

Cartridge Code	≥99.99%(Beta ratio 10,000)
IPF010	≥1.3bar (19psi)
IPF020	≥0.9bar (13psi)
IPF045	≥0.4bar (5.8psi)
* Test Liquid: 70%/30% IPA/WATER at 23°C(73°F)	

Table 3: Typical Water Flow Rate (10")



Filter Information

Grade	Product	Micron	Adapter	Length	O-Ring/Gasket
P-Pharmaceutical F-Food & Beverage	IPF	010-0.1 μm 020-0.2 μm 045-0.45 μm	AA-DOE CN-226/FIN BN-222/FIN BF-222/FLAT SEAL CF-226/FLAT SEAL EN-222 three locking ears/FIN	10-10" 20-20" 30-30" 40-40" 05-5" Other-XX	S-Silicone; N-nitrile E-EPDM; T-teflon (encapsulated) V-Viton