

PTFE FILTER CARTRIDGE (HYDROPHILIC)

Advantages:

- Best choice for extreme operating conditions.
- Free of surfactant, resins, binders and adhesives.
- Standard: Clean and flushed with Pyrogen-free water.
- Rinse: up to 17-18MΩ.cm with a minimum of throughput Vacuum packing.

Material Of Construction:

- Filter Media: PTFE Membrane
- Support Layers: Polypropylene
- Inner core: Reinforced Polypropylene
- Outer Support: Polypropylene
- Adapter: Polypropylene with encapsulated SUS304 reinforcing ring

Specifications:

- Outer Diameter: 69mm (2.75")
- Inner Diameter: 33mm (1.30")
- Length: 10"- 254mm, 20"- 508mm, 30"-762 mm, 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 (190°F) at $\Delta P \leq 1.0$ 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: 0.65m² per 10".
- Steam Sterilization for 30 minutes at 135°C(275°F)
- Cumulative Time: 50hours

Applications:

- Bacterial removing;
- Strong acid or alkaline solvent;
- High temperature liquid filtration.

Filter Information

Grade	Product	Micron	Adapter	Length	O-Ring/Gasket
P-Pharmaceutical F-Food & Beverage E-Electrical	IHPF	010-0.1 μ m 020-0.2 μ m 045-0.45 μ m	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" 50-50" Other-XX	S-Silicone; N-nitrile E-EPDM; T-teflon (encapsulated) V-Viton



Table 1: Liquid Retention Ratings(μ m)

Cartridge Code	$\geq 99.99\%$ (Beta ratio 10,000)
IHPF010	0.1
IHPF020	0.2
IHPF045	0.45

Table 2: 100% Integrity Test

Cartridge Code	$\geq 99.99\%$ (Beta ratio 10,000)
IHPF010	≥ 1.3 bar (19psi)
IHPF020	≥ 0.9 bar (13psi)
IHPF045	≥ 0.4 bar (5.8psi)

* Test Liquid: 70%/30% IPA/WATER at 23°C (73°F)

Table 3: Typical Water Flow Rate (10")

