



Specifications

Media	: hydrophilic PTFE
Support	: Polypropylene
Core, Cage	: Polypropylene
End Parts	: Polypropylene
Sealing	: NBR, EPDM, Silicone, PTFE FKM (Fluorine Rubber) E-FKM (Encapsulated Fluorine Rubber)

Filtration rate

Pore Size : 0.1, 0.2, 0.45 micron

Dimension

Double open ended:

ID x OD x Length

28mm x 70mm x 10", 20", 30", 40"

Single open ended:

ID x OD x Length

25mm x 70mm x 10", 20", 30", 40"

Operating Conditions

Maximum Operating Temperature:

80°C (175°F)

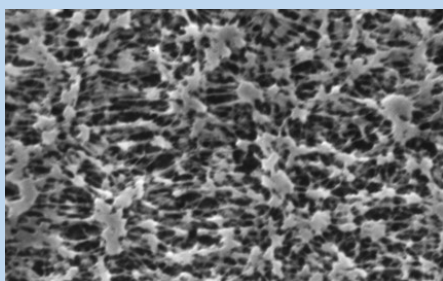
Replacement Differential Pressure:

0.15MPa (22psi)

Maximum Differential Pressure:

0.35MPa (51psi) @ 20°C (68°F)

* depending on operating parameters



CLEAL[®]

POROUSFINE H-Series

**Hydrophilic PTFE Membrane Type Pleated
Cartridge Filter**

Features

Structure

CLEAL[®] POROUSFINE H-Series is a pleated cartridge composed of a membrane filter made of hydrophilic PTFE and polypropylene. When filtering aqueous liquids, prior hydrophilic (pre wetting) treatment is unnecessary.

PTFE : Poly-Tetra-Fluoro-Ethylene (C₂F₄)_n

Advantages

- Hydrophilic treatment is unnecessary for aqueous liquids.
- Uniform pore size structure provides consistent filter ratings.
- There are no pore size changes and media migration.
- Lower pressure drop elongates filter service life is extended.
- Excellent chemical resistance.

Quality

- Production at ISO 9001 certified factory
- Production at ISO 14001 certified factory

Application

Chemicals :

Various chemicals, Solvents

General Industry :

Pure water, Washing Water

Electronics :

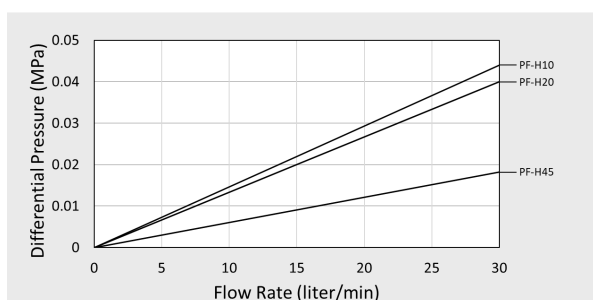
Photoresist developer

Filter Rating

Grade	Pore Size	Media Area
PF-H10	0.1 μm	6,000cm ² /10"
PF-H20	0.2 μm	
PF-H45	0.45 μm	

Water Permeability

Flow Rate - Differential Pressure



※ per 250 mm, in water

フィルター形状

G0	Flat Gasket End	
	226 O-ring with Spear closed End	
E7	222 O-ring with Flat closed End	
	222 O-ring with Spear closed End	
M3	222 O-ring with Flat closed End	
	222 O-ring with Spear closed End	
M8	222 O-ring with Flat closed End	
	222 O-ring with Spear closed End	

Ordering Guide

Code information								Sales Unit
Grade	Filter Rating	End Type & Seal Material		ID & OD (mm)	Length (mm)			SPQ (pcs/ctn)
PF-	H10 (0.10 μm) H20 (0.20 μm) H45 (0.45 μm)	(DOE) G0 (Flat Gasket)	1 (NBR)	28 - 70 -	(G0)	(10″)	250	6
			2 (Silicone)			(20″)	496	6
			3 (FKM)			(30″)	742	6
		(SOE) E7 (226 O-ring with Spear End) M3 (222 O-ring with Flat End) M8 (222 O-ring with Spear End)	1 (NBR) 2 (Silicone) 3 (FKM) 4 (Soft PTFE) 5 (EPDM)	25 - 70 -	(E7)	(10″)	315	6
						(20″)	561	6
						(30″)	807	6
					(M3)	(10″)	265	6
						(20″)	511	6
						(30″)	758	6
					(M8)	(10″)	309	6
						(20″)	555	6
						(30″)	801	6
Example : PF-H10E72 25-70-807 (SPQ 6pcs)								
PF -	H10	E7	2	25-70-	807		6	

- * Description of each characteristic data is based on our original test methods. The actual data may differ slightly from the data shown here by use conditions.
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