



Specifications

Media	: 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, 1.0 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 T-Series

PTFE Membrane Type Pleated Cartridge Filter

Features

Structure

CLEAL[®] POROUSFINE T-Series is a pleated cartridge composed of a membrane filter made of PTFE and polypropylene with broad chemical compatibility, and is a clean filter which does not contain any adhesives.

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

Advantages

- 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 :

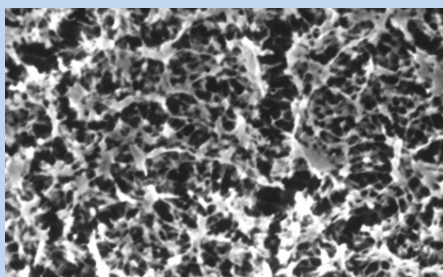
Pure water, Washing Water

Food & Beverages :

Various airs.

Electronics :

Photoresist developer

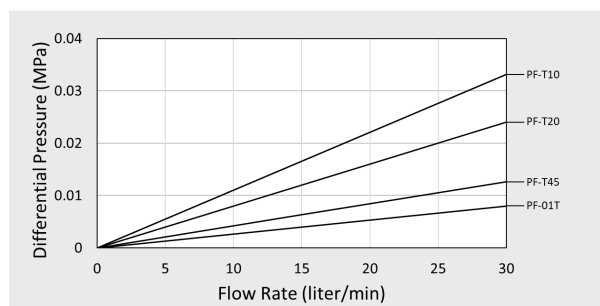


Filter Rating

Grade	Pore Size	Media Area
PF-T10	0.1 μm	6,000 $\text{cm}^2/10''$
PF-T20	0.2 μm	
PF-T45	0.45 μm	
PF-01T	1.0 μm	

Water Permeability

Flow Rate - Differential Pressure



※ per 250 mm, in water

Filter End Configuration

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-	T10 (0.10 μm) T20 (0.20 μm) T45 (0.45 μm) 01T (1.0 μm)	(DOE) G0 (Flat Gasket)	1 (NBR) 2 (Silicone) 3 (FKM) 4 (Soft PTFE) 5 (EPDM)	28 - 70 -	(G0)	(10'')	250	6
						(20'')	496	6
						(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 (E-FKM) 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-T10E72 25-70-807 (SPQ 6pcs)								
PF -	T10	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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