

Marktstrasse 19
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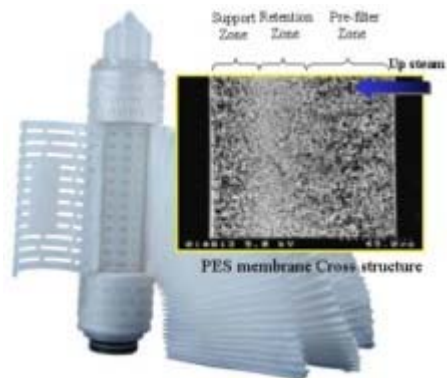
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Pleated Membrane Filter



Poly-Philic pleated filter cartridge is a PES (polyethersulfone) membrane in a polypropylene casing. The filter media polyethersulfone is the mirrored asymmetric structure that ensure lower pressure drop at high flow rate, and extended service life.

PES membrane has excellent chemical resistance and hydrophilization is widely use in BOE etchant, clean, DI water circulated filtration of semiconductor industry & photoelectric industry and the terminal fine filtration of general food & beverage factory.



Features & Benefits ,Available pore size rating:

- 0.04 micron ~1.2 micron
- Polyethersulfone membrane is permanently hydrophilic membrane without use of additives, surface active agents or post-treatments.
- The highly porous asymmetric membrane that ensure lower pressure drop, greater through-put, and extended service life
- 0.55m² of filtration area, low pressure drop, and high flow rate.
- The filter element is manufactured in clean room.
- Pre-flush 30 minutes with 18M-Ω DI water/2GPM, TOC content is lower than 40ppb
- Assurance of product integrity test and effectiveness in operation.Certificated by FDA.
- End Caps and connectors are sealed by thermal



bond, free binder.

Operation conditions

- Maximum operating forward pressure drop
20°C : 5.5 kg/cm²
- 80°C : 1.7 kg/cm²
- Maximum operating temperature:80°C
- Sterilization:
 - Autoclave: 121 °C, 30 min, 10 times
 - Steam:121 °C, 30 min, 10 times
 - Hot water:80 °C, 30 min, 30 times

Applications for product :Filtration of photoelectric industry of Clean, Rinse BOE, photoresists of filtration Terminal fine filtration of DI water system Terminal find filtration of food and beverage

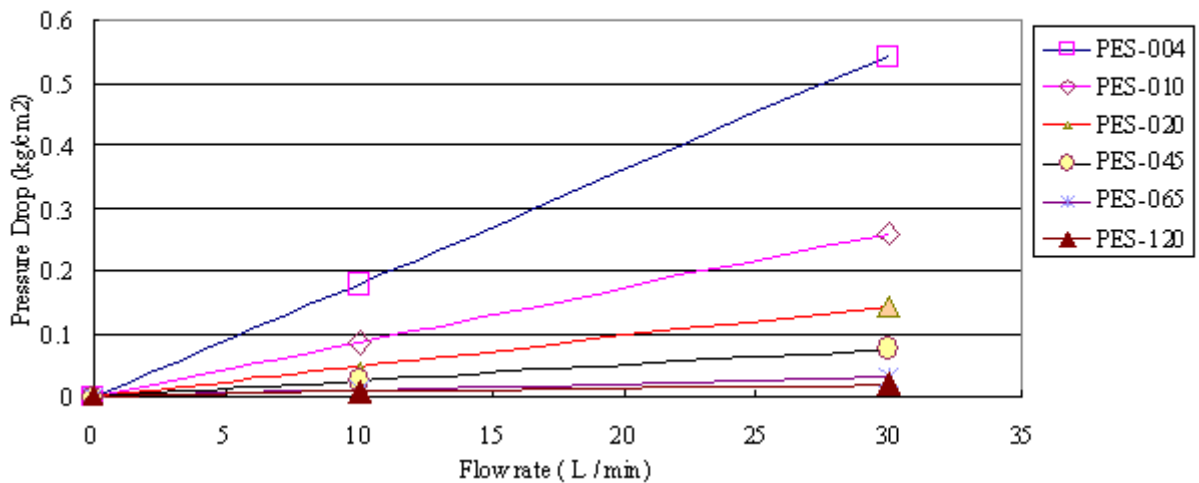
Product specifications

- Pore size : 0.04,0.1, 0.2, 0.45, 0.65,1.2 micron
- Membrane PES (Polyestersulfone) hydrophilic membrane
- Support P PP
- End Cap & Core :High Strength PP
- O-ring Material :EPDM,Buan N,Silicone,Viton, Viton encapsulated PFA
- Filtration Area :0.55m²
- Length : 10", 20", 30",40"
- Inner Diameter: 28 mm
- Outer Diameter: 69 mm

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Initial pressure



drop

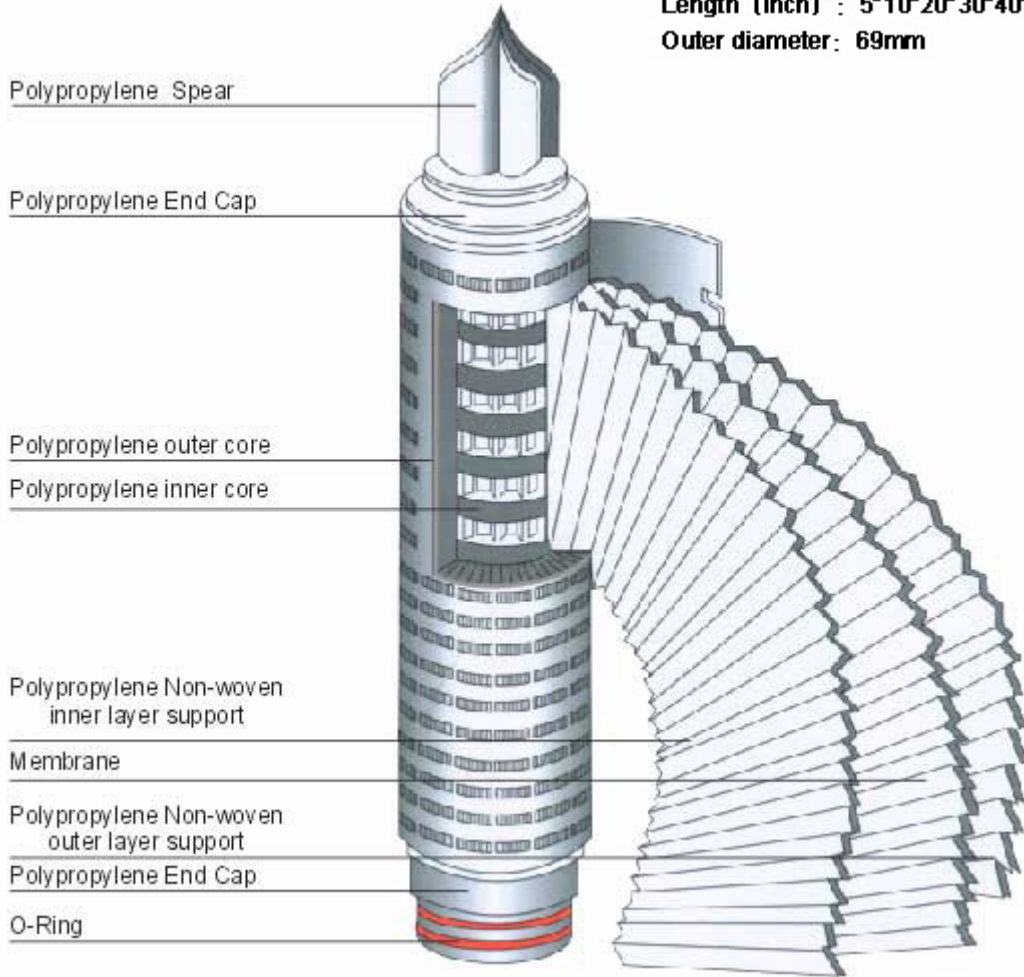
Ordering Information

Ordering Information						
PES	-	010	-	E	-	0 - 1 - B - A
↓		↓		↓		↓
Poly-Philic		Pore size:		O-ring material		Length:
		004 = 0.04micron		E = EPDM		1 = 10"
		010 = 0.10micron		N = Buna N		2 = 20"
		020 = 0.20micron		S = Silicone		3 = 30"
		045 = 0.45micron		V = Viton		4 = 40"
		065 = 0.65micron		T = Viton encapsulate with Teflon		End cap:
		120 = 1.2micron				F = Double open end (DOE)
						0 = 222 Flat (SOE)
						5 = 222 Fin (SOE)
						6 = 226 Flat (SOE)
						7 = 226 Fin (SOE)
						Pre-flush
						A = Non-Preflush
						B = Pre-flush with DI water
						Integrity test
						A = Non-Integrity test
						B = Integrity test

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Length (inch) : 5"10"20"30"40"
Outer diameter: 69mm



Polypropylene Spear

Polypropylene End Cap

Polypropylene outer core

Polypropylene inner core

Polypropylene Non-woven inner layer support

Membrane

Polypropylene Non-woven outer layer support

Polypropylene End Cap

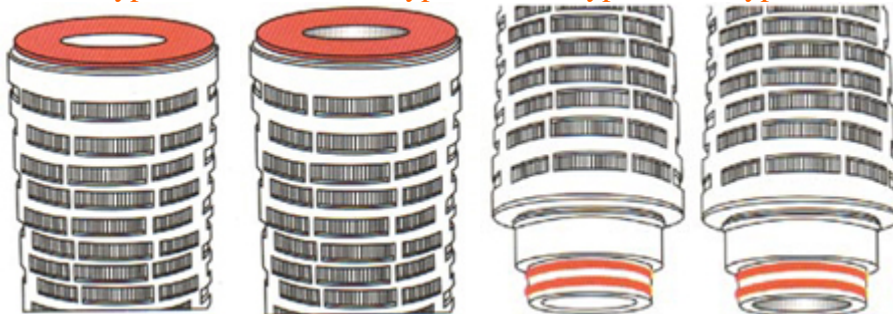
O-Ring

Type No.A

Type No.B

Type No.C

Type No.D



Double plate open

A: OD69mm ID 28mm Double plate seal

B: OD 69mm ID 28mm 222 O-ring /end cap

C: OD: 44.5mm 222

D: O-ring/stainless steel OD: 44.5mm