



Polysulfone Pleated Membrane Cartridge

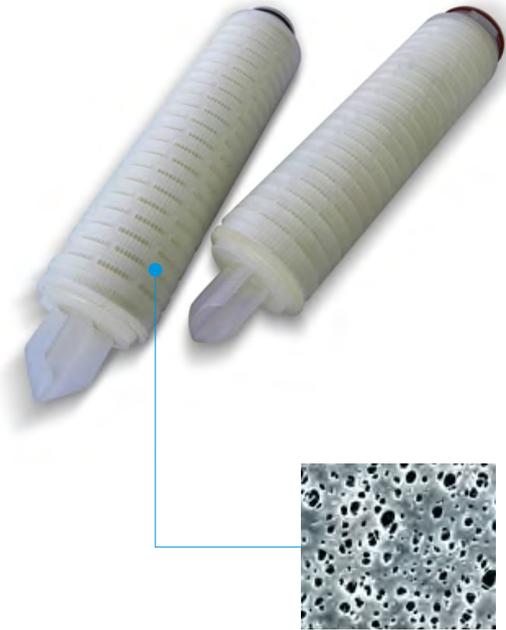
Profile

Featuring an asymmetric structure, the polysulfone or polyethersulfone (PES) membrane reduces pressure drop and provides high dirt loading capacity, large filtration area, and low differential pressure, allowing a larger filtration flow rate.

The chemical resistance and hydrophilic nature makes it widely used in the filtration of electronics components, foods and drinks.

Characteristics

- Hydrophilic.
- Large filtration area, low psid, high flow rate.
- Three layer construction.
- No surface active agent, minimum cleaning time of cartridge.
- Clean production environment, good cleanliness of the cartridge.
- End connections thermally bonded without adhesive.
- Integrity test is acceptable.



PES S.Acid W. Acid W.Alkali S.Alkali Solvent

Dp max : 20°C, 5.5 kg/cm²
 80°C, 1.7 kg/cm²
 Temperature : 80 °C
 ID(inside diameter): 28mm
 OD(outside diameter): 63mm

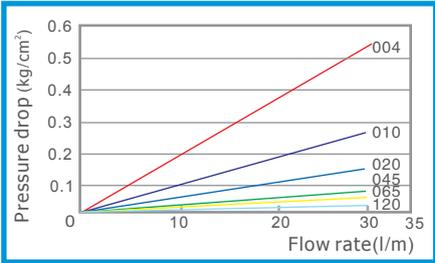
Applications

- Final filtration of pure water
- Final drink product
- Washing liquid
- Solvent desquamation
- Photoresist precision filtration
- Sterile Filtration
- Medical alcohol

Specification Code

ELCPF	10	7	B	1.2
ELCPF ELCPF	Length: 10-10" 20-20" 30-30" 40-40"	Connection Code: 1, 2, 3, 4, 5, 6, 7, 8	Seal Media: B-Buna N V-Viton S-Silicone E-EPDM	Rate(um): 0.04 0.1 0.2 0.45 0.65 1.2

Initial pressure drop



Filtration efficiency

Product filtration rate	Filtration efficiency(%)					
	0.05	0.1	0.3	0.5	0.7	1.0 1.5 um
004	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
010	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
020	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
045	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
065	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
120	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9

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