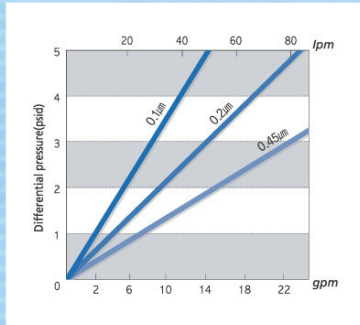# Hydrophilic PES Membrane Filter

Liquid flow rate per 10" filter cartridge

Description

- CSM hydrophilic PES pleated cartridge constructed of polyethersulfone microporous membrane and polypropylene support components enable superior durability and particle removal performance and can be used in various applications.
- CSM hydrophilic PES filter element is integrity tested after manufacturing using bubble point and air diffusion.

Feature and Benefits

- Constructed of asymmetric polyethersulfone microporous membrane and polypropylene support components.
- Consistent filtration performance through controlled pore size.
- Thermal bonded manufacturing without adhesives media extraction.

Application

- DI-water : Central PAD, polishing, station
- Chemical : developer
- Pharmaceutical

Specification

Material of Construction
- Media : polyethersulfone membrane.
- Core / cage / end cap / support : polypropylene

Sealing Method : Thermal bonding

Recommended Maximum Differential Pressure
- Forward pressure : 70psi (4.8 bar) at 25℃
- Reverse pressure : 40psi (2.7 bar) at 25℃

Filtration Area : 0.7㎡ / 10" cartridge

Integrity Test
0.1μm $\geq$ 75psig
0.2μm $\geq$ 45psig

Removal Ratings(μm)
- 0.05, 0.1, 0.2, 0.45, 1.0

Cartridge Dimensions
- Out diameter : 69mm
- Length(mm) : 250, 254, 500, 508, 750, 762, 1000, 1016

Ordering Information

1	2	3 4	5	6 7	8	9	10	11
Grade	Type	Media	Support Material	Micron Rating	End-cap Option	Length	O-ring Material	Special Option
E : Electronics blank : Industries	H : Pleated	SI/SO : Hydrophilic PES	P : Polypropylene	A5 : 0.05μm 01 : 0.1μm 02 : 0.2μm 04 : 0.45μm 12 : 1.2μm 50 : 5.0μm	A : 250mm D/O B : 254mm D/O C : 2-222 O-ring / Flat end D : 2-226 O-ring / Flat end E : 2-222 O-ring / Fin end F : 2-226 O-ring / Fin end M : 2-222 O-ring / Flat end	5 : 5″ 1 : 10″ 2 : 20″ 3 : 30″ 4 : 40″	E : EPDM N : Buna-N S : Silicone V : Viton T : Teflon encapsulated Viton	C : DI cleaning & Vacuum package V : Vacuum Packaging S : SUS ring Insertion