

GDS - Polyethersulfone Membrane Pleated Filter Cartridges

G DS Polyesthersulfone (PES) Membrane Pleated Filter Cartridges have special feature of low protein binding and therefore ideal for applications requiring critical cleanliness such as biological, pharmaceutical and microelectronic processes. The incorporation of asymmetric PES membranes ensures consistent particle retention efficiency, low pressure drop and exceptional service life, making GDS as one of the most popular solutions for liquid filtration.

- 6 Hydrophilic and asymmetric PES membranes provide excellent flow capacity and long service life while maintaining maximum filtration performance.
- Composition of the compositio
- 6 Wide chemical compatibility across a wide range of liquid processes.
- 5 100% integrity tested.
- 6 May be autoclaved (121°C, 30 minutes cycles) or in situ steam sterilized (125°C, 30 minutes cycles) for a maximum accumulated exposure of 10 hours.

Applications

RO/DI Process, Semiconductor, Cosmetics, Medicine Filtration, Pharmaceuticals, Ultrapure Chemicals, Food & Beverage, Bottled Water

Specifications

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Filter Media	Polyethersulfone				
Micron Rating	0.03, 0.1, 0.2, 0.45, 1 μm				
Gaskets/O-ring	Silicone, EPDM, Viton, Teflon encapsulated Viton				
Core	Polypropylene				
Filter Support	Polypropylene				
End Cap	Polypropylene				
Cage	Polypropylene				
Outside Diameter	2.75"(70mm)				

Operation Data

Maximum Operating Temperature: 80°C (176°F)

Maximum Differential Pressure: 4.8 bar at 20°C (70 psi at 68°F)

3.4 bar at 50°C (50 psi at 122°F)

1.4 bar at 80°C (20 psi at 176°F)

Recommended Change Out Differential Pressure: 2.4 bar (35 psi)

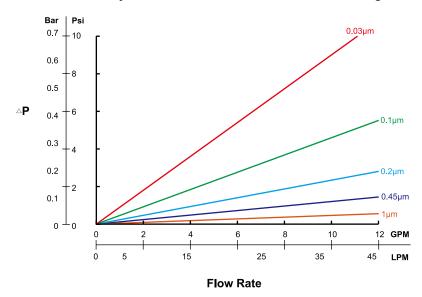
Sterilization

Autoclave or in situ steam: 121°C (250°F) for 30 minutes at 1.0 bar (14 psi)



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10" Polyethersulfone Membrane Pleated Filter Cartridge



Ordering Information

Туре	Micron Rating	Filter Media	Nominal Length (inch)	Gasket/O-ring Option	End Cap Option	
GD Pleated Membrane Filter Cartridge	0X3 - 0.03 μm 01 - 0.1 μm 02 - 0.2 μm 0H - 0.45 μm 1 - 1 μm	S Polyethersulfone	10 - 10" 20 - 20" 30 - 30" 40 - 40" Other Customized Sizes	S-Silicone E-EPDM V-Viton W-Teflon encapsulated Viton	0:Flat Gasket Double Open End 5:2-222 O-ring with Flat End 6:2-226 O-ring with Flat End 8:2-222 O-ring with Fin 9: 2-226 O-ring with Fin	
GD	02	S	10	S	0	
Pleated Membrane Filter Cartridge	e 0.2μm	Polyethersulfone	10"	Silicon O-ring	Flat Gasket Double Open End	