

## GDF - Hydrophobic PTFE Membrane Pleated Filter Cartridges

G DF series PTFE Membrane Filter Cartridges deliver superior removal efficiency by the character of fixed pore construction. The incorporation of hydrophobic PTFE membranes with PP construction serves GDF as economic alternatives to all fluropolymer filter cartridges. Featuring broad chemical compatibility and excellent temperature endurance, GDF are suitable for less aggressive processes and applications requiring high cleanliness.

- 6 Economic alternatives to all fluropolymer filter cartridges in less aggressive applications.
- Satisfy various chemical processes by broad chemical compatibility and excellent temperature endurance.
- **6** Provide superior and consistent removal efficiency by the character of fixed pore construction.
- o 100% integrity tested.
- May be autoclaved (121°C, 30minutes cycles) or in situ steam sterilized (125°C, 30 minutes cycles) for a maximum accumulated exposure of 10 hours.

#### Applications

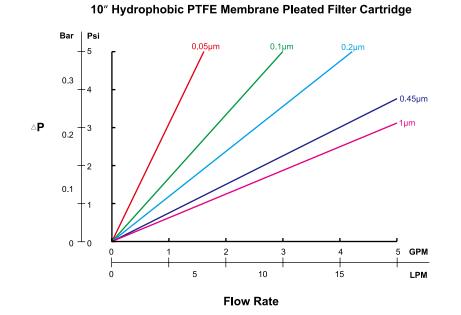
RO/DI Process, Semiconductor, Storage Tank Vents, Solvents, Process Gases, Photoresists, Etchants, Chemicals, Pharmacentical, Food & Beverage

Specifications					
Filter Media	Hydrophobic PTFE				
Micron Rating	0.05, 0.1, 0.2, 0.45, 1 μm				
Gasket/O-ring	Silicone, EPDM, Viton, Teflon encapsulated Viton				
Core	Polypropylene/SUS316				
Filter Support	Polypropylene				
End Cap	Polypropylene				
Cage	Polypropylene				
Outside Diameter	2.7"(70mm)				

### **Operation Data**

Maximum Operating Temperature : 90°C (194°F) Maximum Differential Pressure : 4.8 bar at 20°C (70 psi at 68°F) 2.1 bar at 90°C (30 psi at 194°F) Recommended Change Out Differential Pressure : 2.4 bar (35 psi)

# GDF - Hydrophobic PTFE Membrane Pleated Filter Cartridges



### Sterilization

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

### Ordering Information

Туре	Micron Rating	Filter Media	Nominal Length (inch)	Gasket/O-ring Option	End Cap Option		
<b>GD</b> Pleated Membrane Filter Cartridge	$\begin{array}{l} \mathbf{0X5} \ - \ 0.05 \ \ \mu m \\ 01 \ - \ 0.1 \ \ \mu m \\ 02 \ - \ 0.2 \ \ \mu m \\ \mathbf{0H} \ - \ 0.45 \ \ \mu m \\ 1 \ - \ 1 \ \ \mu m \end{array}$	<b>F</b> Hydrophobic PTFE	<b>10</b> - 10" <b>20</b> - 20" <b>30</b> - 30" <b>40</b> - 40" Other Customized Sizes	S-Silicone E-EPDM V-Viton W-Teflon encapsulated Viton	<ul> <li>0:Flat Gasket Double Open End</li> <li>5:2-222 O-ring with Flat End</li> <li>6:2-226 O-ring with Flat End</li> <li>8:2-222 O-ring with Fin</li> <li>9: 2-226 O-ring with Fin</li> </ul>		
GD	02	F	10	S	0		
Pleated Membrane Filter Cartridge	e 0.2μm	Hydrophobic PTFE	10"	Silicon O-ring	Flat Gasket Double Open End		

