

# GDN - Nylon Membrane Pleated Filter Cartridges

G DN series Nylon Membrane Pleated Filter Cartridges provide superior removal efficiency, yielding the cleanest process fluids in a variety of fine filtration applications. Inherent hydrophilic Nylon membranes enquire no pre-wetting and are conveniently ready to use. With broad chemical compatibility and excellent temperature endurance, GDN cartridges are ideal options to satisfy various chemical filtration processes.

- 6 High surface area design provides excellent flow capacity and long service life while maintaining maximum filtration performance.
- Free of additives, binders and lubricants.
- Wide chemical compatibility makes GDN ideal for chemical industries requiring high purity.
- 6 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, Chemicals, Solvents, Inks, Cosmetics, Medinice Filtration, Food & Beverage

**Specifications** 

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

#### **Operation Data**

Maximum Operating Temperature : 110°C (230°F)

Maximum Differential Pressure: 4.8 bar at 50°C (70 psi at 122°F)

3.4 bar at 80°C (50 psi at 176°F)

1.8 bar at 110°C (20 psi at 230°F)

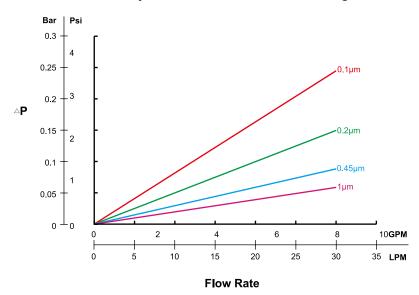
Recommended Change Out Differential Pressure: 2.4 bar (35 psi)

#### Sterilization

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

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### 10" Nylon Membrane Pleated Filter Cartridge



Ordering Information

Туре	Micron Rating	Filter Media	Nominal Length inch	Gasket/O-ring Option	End Cap Option		
<b>GD</b> Pleated Membrane Filter Cartridge	$01 - 0.1 \mu m$ $02 - 0.2 \mu m$ $0H - 0.45 \mu m$ $1 - 1 \mu m$	<b>N</b> Nylon	10 - 10" 20 - 20" 30 - 30" 40 - 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	1	N	10	S	0		
Pleated Membrane	lμm	Nylon	10"	Silicon O-ring	Flat Gasket Double Open End		