



NFC Series

Nylon Membrane Pleated Filter Cartridges

Description

NFC Series Nylon Membrane Pleated Filter Cartridges are made of Hydrophilic Nylon 6 membrane with absolutely rated and good support materials. Nylon membrane pleated filters have superior filtration efficiency, providing the cleanest process fluids in a variety of fine filtration applications.

Nylon 6 membranes enquire no pre-wetting and are easy to install. With wide chemical compatibility and thermostability, nylon pleated cartridges are ideal options for satisfying various requirements in chemical filtration industry, such as final filtration. Nylon filters are without adhesives, binders or surfactants when used in the manufacturing process. What's more importantly, they are 100% integrity tested to ensure good performance with high flow rate.



Features

- Nylon membrane filters are free of additives, binders and lubricants
- Nylon membrane pleated filter cartridges use materials complying with FDA standard
- Nylon pleated cartridges have high temperature-resistance, acid and alkaline resisting ability
- Wide chemical compatibility makes nylon pleated filters are ideal for chemical industries requiring high purity
- High-surface-area design provides excellent flow capacity and long service life with consistence of good performance

Specification

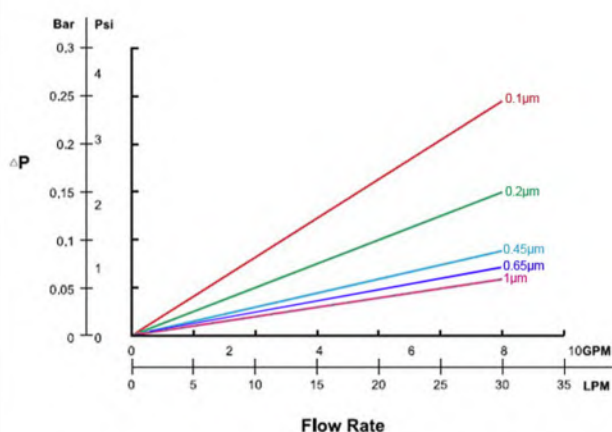
Filter Media	Nylon
Length	5", 9.75", 9.8", 10", 20", 30", 40"
Outside Diameter	2.75" (70mm)
Filtration Rating	0.1µm, 0.22µm, 0.45µm, 0.65µm, 1µm
Core	Polypropylene
Filter Support	Polypropylene
Gasket/O-ring	Silicone, EPDM, Viton, NBR, Teflon encapsulated Viton
End Cap/Cage	Polypropylene
End Cap Type	DOE, 222/Flat, 222/Fin, 226/Flat, 226/Fin, 215/Flat, 215/Fin

Application

- Inks
- Solvents
- Cosmetics
- Chemicals
- RO/DI Process
- Semiconductor
- Food & Beverage
- Medicine Filtration
- Pharmaceutical Industry

Operation Data

Max. Operating Temperature	110°C (230°F)
Max. 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)
Maximum reverse pressure	40 psid @ 70°F (2.8 bar @ 21°C)
Recommend Change out Differential Pressure	2.4 bar (35 psid)
Sterilization Temperature Time	121°C (250°F) for 30 minutes at 1.0 bar (14 psi), multiple cycles



Flow Rate vs Pressure Drop for Per 10'' Pleated Filter

End Cap Type



Order Information

NFC	Length	Micron Rating	End Cap	Gasket/O-ring
NFC Series Nylon Membrane Pleated Filter Cartridges	5 = 5"	0.1 = 0.1µm	A = Double Open End (DOE)	S = Silicone
	9.75 = 9.75"		B = 222/Flat (SOE)	
	9.8 = 9.8"	0.22 = 0.22µm	C = 222/Fin (SOE)	E = EPDM
	10 = 10"	0.45 = 0.45µm	D = 226/Flat (SOE)	N = NBR
	20 = 20"	0.65 = 0.65µm	F = 226/Fin (SOE)	V = Viton
	30 = 30"		G = 215/Flat (SOE)	
	40 = 40"		H = 215/Fin (SOE)	

For Example:

NFC-10-1-A-E

NFC Series Nylon Membrane Pleated Filter Cartridges - 10" - 1µm - DOE - EPDM

Customized Sizes of Nylon Membrane Pleated Filters can be accepted

