

### 1.1.4 Nylon Series Pleated Filter Cartridge

#### Nylon 66 Membrane Pleated Filter Cartridge

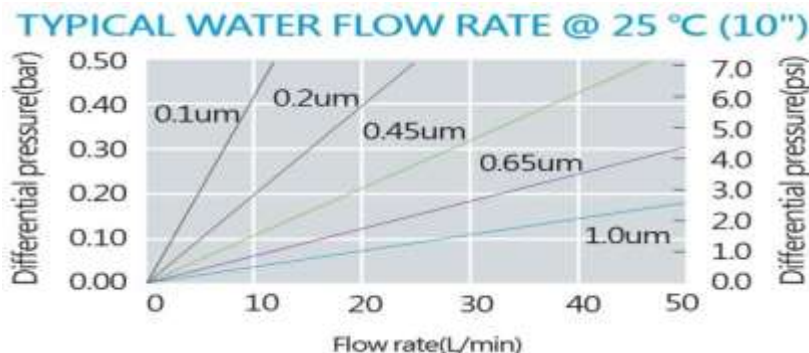
The Nylon 66 membrane pleated filter cartridge is constructed of imported Nylon 66 membrane filter media and PP support layers. All construction process are thermally welded without using any glue or adhesives to get low extraction level.

#### Features

- \* Naturally hydrophilic Nylon 6,6 membrane for sterile filtration, absolute rating  $\geq 99.99\%$
- \* Chemical resistant to alkaline solutions and solvents
- \* Ideally suitable for sterile filtration
- \* Excellent flow rate and cost-effective
- \* High non-specific adsorption and low extractable
- \* 100% integrity tested

#### Application

- \* Bacterial removal of wine, beer, mineral water, pure water
- \* Sterile filtration of solvents, as bulk pharmaceutical chemicals, LVP, solvents for HPLC
- \* Fine chemicals, especially ketone, ester, ether.
- \* Ultrapure water and disk, display, multi silicon process water in electronic digital inks



## Specifications

Construction Materials	Filter Media	hydrophilic Nylon66 membrane
	Support Layers	Polypropylene
	Inner core	Polypropylene
	Outer cage, End Cap	Polypropylene
	Seal Method	Thermal Bonding, No Adhesives
	O-rings/ Gaskets	Silicone/EPDM/Viton/PTFE/Nitrile
Technical Data	Micron Rating	0.1, 0.2, 0.45, 0.65, 1.0 um
	Operating Temperature	Normal <65°C (149 °F) Max. <90°C (194 °F)
	Normal Flow Direction pressure	4.2 bar (60.9 psi) at 25°C (77°F )
	Reverse Flow Direction pressure	2.1 bar (30.5 psi) at 25°C (77°F )
	pH Value Compatibility	6-14
	Sterilization	Steam sterilization for 30 min at 135°C, cumulative time:50 hours
Cartridge Size	Outer Diameter	Φ 69 mm(2.75"), 64mm
	Inner diameter	Φ 33 mm(1.30")
	Length(based on DOE end cap)	10", 20", 30", 40"
	Filtration Area(m <sup>2</sup> )	0.65 m <sup>2</sup> /10"
Biosecurity	Endotoxin	<0.25 EU/ml
	Extractable	≤30 mg/10"
100% Integrity test 7:3=IPA:Water at 23°C ( 75 °F)	0.1 um 0.2 um 0.45 um 1.0 um	≥4.5 bar (65psi) ≥3.2 bar (46 psi) ≥2.0 bar (29 psi) ≥0.9 bar (13 psi)