

Perfect Filter Trio-Nylon Series



Three Layer
Nylon 6 structure

Trio-Nylon® is the extended range series from our excellent TrioPro® series. With Nylon 6 as the center membrane material which is hydrophilic, the membrane has much narrower pore size distribution and suitable for submicron filtration especially for base solution and other fine chemicals. Standard retention available are 0.1µm, 0.2µm, 0.45µm and 0.6µm based on absolute rating. Each cartridge is manufactured under a cleanroom environment and can pass strict integrity testing for quality assurance. Each filter is pre-flush with 18 Mohm De-ionized water for fast rinse up and requires no presetting for operation.

Trio-Nylon® Series Recommended Applications

- ✦ Terminal Polished Filtration for ultra-pure Water (de-ionized water) system
- ✦ Filtration of based solutions, solvents, photoresist for display industries as well as CD, DVD manufacturing
- ✦ Perfectly safe for beverage process including beer, soft drinks and mineral water systems
- ✦ Final Polished filtration for medical and pharmaceutical application
- ✦ High-purity chemical liquid filtration.

Trio-Nylon® Series Features

- Good chemical compatibility with wide range of sanitary reagents including hydrogen peroxide, and bleach.
- Pleated design with more filter area for increased contaminant level, high flow rate and less pressure drop
- Pre-flush with 18 M ohm-cm DI water for fast rinse up of de-ionized water, TOC content is lower than 40ppb
- Entire construction including end caps and inner core are thermally bonded together and free of binder agents.

- Integrity test available upon request
- End cap configuration to fit most industrial housings

Trio-Nylon® Series specifications

Micron Ratings

0.1, 0.2, 0.45, 0.65 µm Absolute

Standard Dimensions

Inner Diameter: 28mm

Outer Diameter: 69mm

Length: 254mm, 508mm, 762mm, 1016mm

Effective Filter area: 0.60 ~ 0.70 m² per 254mm in filter length

Media of membrane

Nylon 6 membrane fiber

Inner and outer core

High strength Polypropylene

Gasket and O-ring Materials

Buna N, Silicone, Viton

Maximum Differential Pressure

0.42 MPa @ 25°C

Maximum Back Pressure

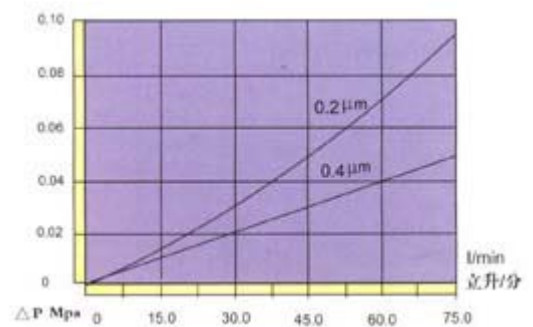
0.21 MPa @ 25°C

Maximum Operating Temperature

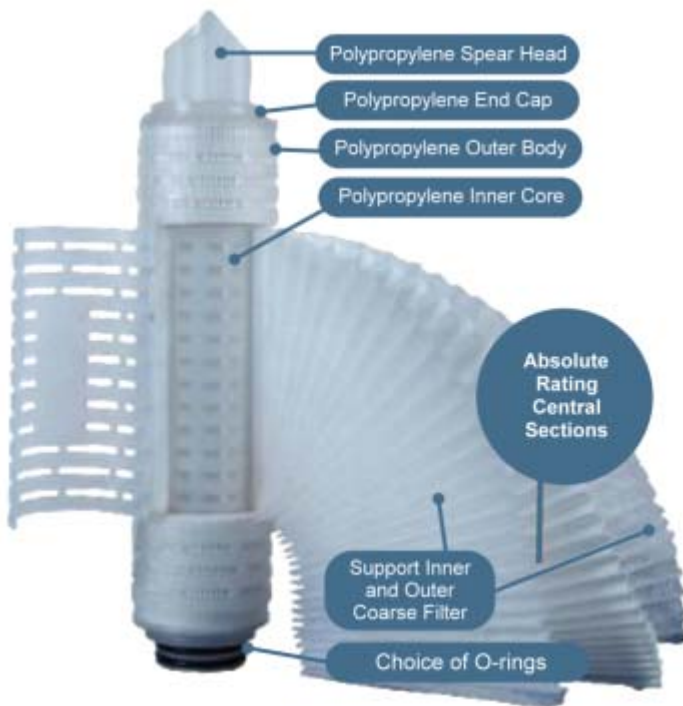
88 °C @ 0.28 MPa; 60°C @ 0.42 MPa

Water Flowrate Specifications

See Chart on the right for 10 inch cartridge



Filter Construction



The three layers structure and high surface area of the Trio-Nylon series filter enable both longer service filter life, high flow rate and small pressure drop without risk of filter collapse. The series offer wide range of end cap configuration as shown below for all standard industrial housing. Length of filter available for up to 40 inch.

Type No. A	Type No. B	Type No. C	Type No. D
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Double plate open
OD 69mm ID 28mm



Double plate seal
OD 69mm ID 28mm



222 O-ring /end cap
OD: 44.5mm



222 O-ring/stainless steel
OD: 44.5mm

Type No. E	Type No. F	Type No. G	Type No. H
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226 O-ring / end cap
OD: 57mm
(Two O-ring with fin)



226 O-ring / stainless steel
OD: 57mm
(Two O-ring with fin)

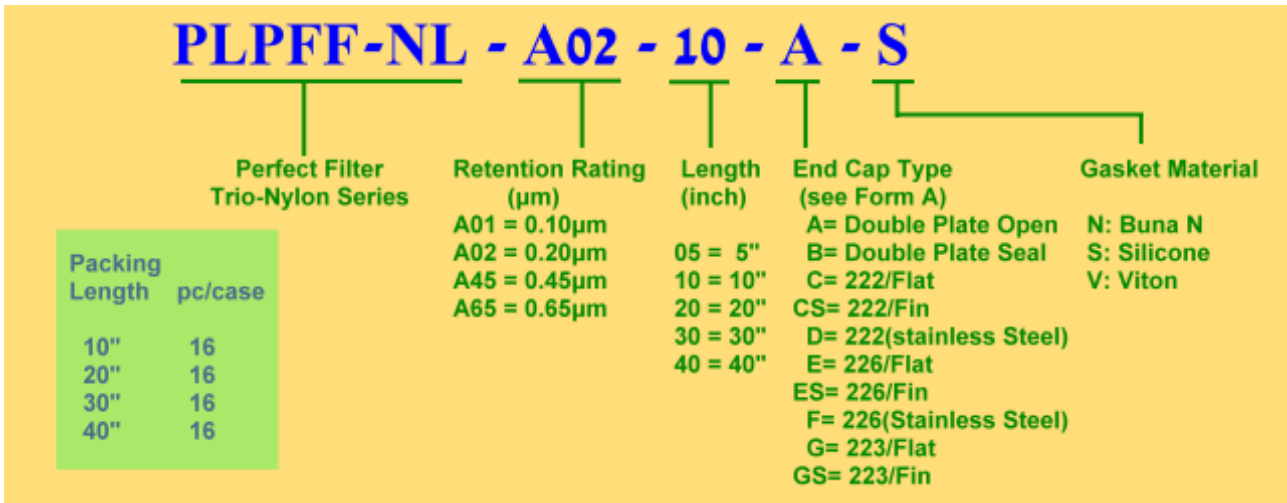


223O-ring / end cap
OD: 44.5mm
(Two O-ring with three fin)



Spear End Cap
(Fin)

Ordering Information



For more information, please contact **Perfect Life International Limited** at:

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