International Filter Products
Revolutionary systems for your industry

PureFlo Charged Nylon Cartridges
(Charged Nylon Membrane with PP Construction)

High Contaminant Removal

PureFlo® Charged Nylon Cartridges are designed to remove particles smaller than its rated pore size with the power of electrical attraction (adsorption/ adhesion). Many particles in water and other liquids have a negative charge that can be captured by a positively charged filter. This property, combined with particle size exclusion (sieving) and a impaction/ interception capture mechanism make this charged nylon filter extremely efficient.

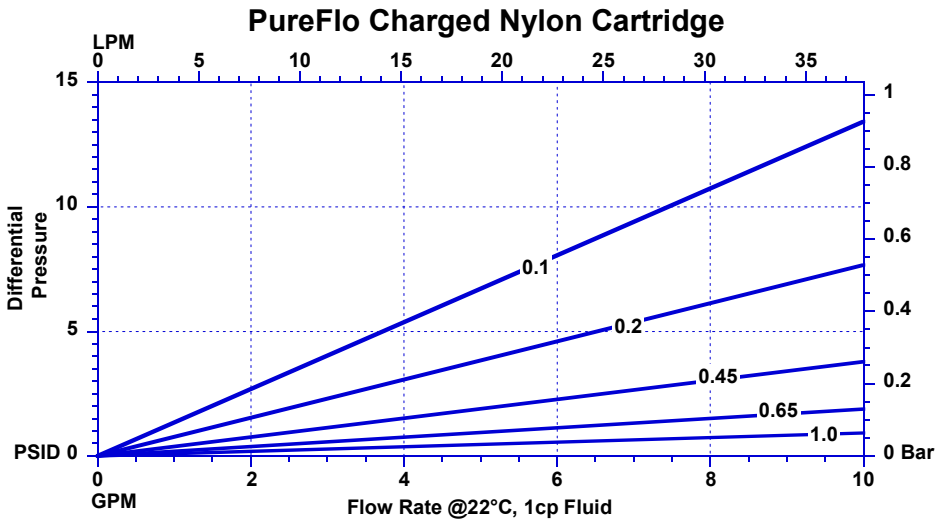
The PureFlo® Charged Nylon Cartridges are naturally hydrophilic nylon membrane filters with a polyester support layer for added wetability of the membrane. The nylon membrane in an all-polypropylene construction provides excellent chemical compatibility and superior flow per unit area as compared to other membrane cartridges. No adhesives, binders, or surfactants are used in the manufacturing process and all cartridges are rinsed with high-purity water to reduce extractables and downtime. All filter cartridges are 100% integrity tested to ensure filter performance each and every time out of the package.

Applications	
DI Water	UltraPure Water
Critical Parts Cleaning	Endotoxin Minimization
Fine Chemicals	Plating Solutions

Specification

Materials of Construction:	Media: Charged Nylon 6,6 membrane (hydrophilic) Media Supports: Polyester Cage, Core, End Caps: Polypropylene O-Rings: Silicone, EPDM, Fluoroelastomer, Buna N
Effective Filtration Area:	EPN Version - 6.5 ft^2 (0.6 m^2) per 10" cartridge element MPN Version - 9 ft^2 (0.84 m^2) per 10" cartridge element
Nominal Dimensions:	Lengths: 5 in. (13 cm), 10 in. (25 cm), 20 in. (51 cm), 30 in. (76 cm), 40 in. (102 cm) Diameter: 2.75 in. (70 mm)
Available Ratings:	0.05, 0.1, 0.2, 0.45, 0.65, 0.8,1.0 µm
Operating Conditions:	Maximum Forward Differential Pressure: 5.0 bar (72.5 psid) at 22 °C 2.0 bar (29 psid) at 80 °C Maximum Reverse Differential Pressure: 3.0 bar (43.5 psid) at 22 °C 1.0 bar (14.5 psid) at 80 °C Maximum Operating Temperature: 80 °C
Regulatory Compliance:	The filters are constructed with polypropylene resins and filtration media in compliance with 21 CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastic.

PureFlo® Charged Nylon Cartridges



Specifications (cont.)

Sterilization & Autoclaving:

The filters can be sterilized by autoclaving for up to 5 cycles at 125 °C (257 °F) for 30 minutes. The filters can also be sterilized by steam-in-place procedure up to 3 cycles at 135 °C (275 °F) for 30 minutes at less than 0.3 bar (4.35 psi) differential pressure. The filters can also sanitized by hot water or common chemicals that are compatible with filter components.

PureFlo® Charged Nylon Cartridge Ordering Guide

PureFlo Charged Nylon Filters	Removal Rating	End Modifications	Length	O-Ring / Gasket Materials	Package Qty	Inserts
	05 - 0.05 micron	**0** = 222 O-Ring Flat	**1** - 10"	**E** = EPDM	**1**= 1pc/ pack	**Blank** = Standard
EPN = Charged Nylon	**10** - 0.10 micron	**3** = 222 O-Ring w/tabs Spear	**2** - 20"	**N** = Buna N		**-5** = SS Insert
(6.5Ft2) per 10"	**20** - 0.20 micron	**5** = 222 O-Ring Spear	**3** - 30"	**P** = Peroxide Cured EPDM		
	50 - 0.45 micron	**6** = 226 O-Ring Flat	**4** - 40"	**Q** = Platinum Cured Silicon		
MPN = Charged Nylon	**65** - 0.65 micron	**7** = 226 O-Ring Spear	**5** = 5"	**S** = Silicone		
(9.0 Ft2) per 10"	**80** - 0.80 micron	**8** = 223 O-Ring Flat	**9** = 9.75"	**T** = TEV or FEP Gasket		
	1X - 1.2 micron	**F** = DOE Flat Gasket		**U** = TES*		
		S = SOE Flat Gasket		**V** = Fluoroelastomer		
		Z = SOE Internal O-ring Flat **				

Example - Charged Nylon with 9ft2, 10", 0.2 micron cartridge, with 2-226 Silicone o-ring, Spear, and no insert would be **MPN2071S1**

* - not available in Code Z ** - only available in 5", 9.75", 10" and 20", retrofit for DOE housings

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ISO Certified 9001 14001

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