



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

High Contaminant Removal

PureFlo® Charged Nylon cartridge filters are designed to remove particle 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 attraction to a positively charged filter. This combined with particle size exclusion (sieving) process and impaction/ interception particle 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 wettability 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.

Specification

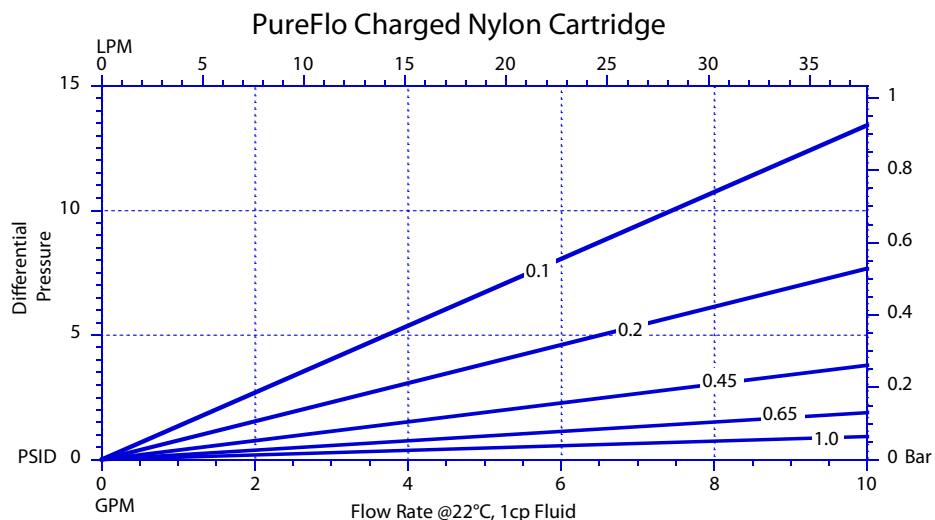
Materials of Construction:	Media: Charged Nylon 6,6 membrane (hydrophilic)
	Media Supports: Polyester
	Cage, Core, End Caps: Polypropylene
	O-Rings: Silicone, EPDM, Fluoroelastomer, Buna N
Effective Filtration Area:	EPN Version - 6.5Ft ² (0.6m ²) per 10" cartridge element MPN Version - 9Ft ² (0.84m ²) per 10" cartridge element
Nominal Dimensions:	Lengths: 5 in. (13 cm), 10 in. (25 cm), 20 in. (50 cm), 30 in. (76 cm), 40 in. (102cm) Diameter: 2.75 in. (70mm)
Available Ratings:	0.05um, 0.1um, 0.2um, 0.45um, 0.65um, 1.0um,
Operating Conditions:	Maximum Forward Differential Pressure: 5.0 bar (73 psid) at 20 °C 2.0 bar (29 psid) at 80 °C
	Maximum Reverse Differential Pressure: 3.0 bar (44 psid) at 20 °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 21CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastic.



Applications

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

PureFlo Charged Nylon Filters



Specifications (cont.)

Sterilization & Autoclaving:

The filters can be sterilized by autoclaving for up to 25 cycles at 257°F/125°C. The filters can also be sterilized by steam-in-place procedure up to 3 cycles at 275°F/135°C for 30 minutes at less than 0.3 bar differential pressure. The filters can also be sanitized by hot water or common chemicals that are compatible with filter components.

PureFlo Charged Nylon Filter Cartridge Ordering Guide

PureFlo Nylon Filters	Removal Rating	End Modifications	Length	O-Ring / Gasket Materials	Package Qty	Inserts
EPN = Charged Nylon (6.5Ft2)	05 - 0.05 micron	0 = 222 O-Ring Flat	1 - 10"	E = EPDM	1= 1pc/ pack	Blank = Standard -5 = SS Insert
	10 - 0.10 micron	5 = 222 O-Ring Spear	2 - 20"	N = Buna N		
	20 - 0.20 micron	6 = 226 O-Ring Flat	3 - 30"	S = Silicone		
	50 - 0.45 micron	7 = 226 O-Ring Spear	4 - 40"	V = Viton		
MPN= Charged Nylon (9.0 Ft2)	65 - 0.65 micron	F = DOE Flat Gasket	5 = 5"	T = TEV*		
	1X - 1.0 micron	S = SOE Flat Gasket	9 = 9.75"	U = TES*		
		Z = SOE Internal 213 O-ring Flat **				
Example- Charged Nylon with 9ft2, 10", 0.2 micron cartridge, with 2-226 Silicone o-ring, Spear, and no insert MPN2015						
* - not available in Code Z ** - only available in 5", 10" and 20"						