



Poliflo Range

Pleated Polypropylene Filter Cartridges

The Poliflo Range is a range of filter cartridges employing FDA approved polypropylene filter media. Poliflo FP is absolute rated at Beta 5000, while the nominally rated Poliflo N provides a cost effective filtration option. For cyst reduction of surface waters, use the LT2 compliant Poliflo LT. The fibers are totally thermally bonded with the support structure in polypropylene.

The high thickness used for all supporting parts plus the construction obtained by thermal bonding of the assembly, guarantee a good firmness of the cartridge. This also benefits users by eliminating the use of glues or adhesives, thus minimizing levels of extractables and broadening the range of chemical compatibility. The pleated filter media has a high filter surface which gives a high flow rate, low pressure drop and high dirt capacity. The filter cartridge has a long life.



Features and Benefits

- Removal ratings from 0.2 to 100 micron
- Pleated media for maximum dirt holding capacity
- High surface area (up to 7ft²) giving high flow rates and low initial pressure losses
- Wide chemical compatibility
- 100% polypropylene to meet FDA requirements
- Thermal bonding process eliminates adhesive and ensures minimal extractables.
- Meets USP Class VI Biological Test for Plastics

Applications

- Membrane prefiltration
- Food and beverage industries
- Pharmaceutical industries
- Electronic industries
- Cosmetics
- General water filtration
- RO / DI prefiltration
- Chemical liquid clarification
- Edible oils
- Acids
- Alkalis
- Solvents
- Coatings

Technical Specification

Max operating temperature 176°F (80°C)

Recommended change out pressures - 35psid (2.4 bar)

Materials used are suitable for food applications - Complies with FDA 21 CFR 177 & EC Reg 1935/2004.

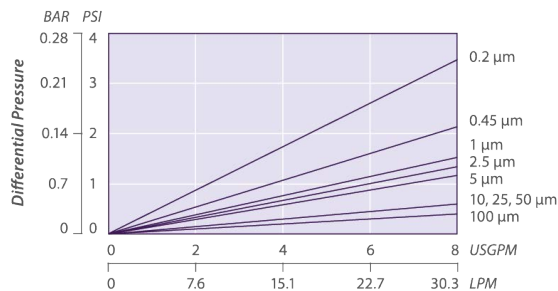
Materials of construction:

Filter media:	Polypropylene
Filter media support:	Polypropylene
End caps:	Polypropylene
Core:	Polypropylene
Outer support cage:	Polypropylene

- Filter efficiency established in water suspensions using AC fine / coarse test dust
- Cartridges length 05"- 10"- 20"- 30"- 40"
- O.D. 2.7" (6.7cm)

Pressure loss/flow rate for Poliflo FP

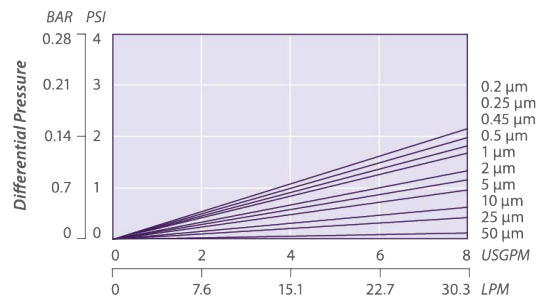
Typical Flow Rate Clean Water at Ambient Temperature
(per 10" cartridge)



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

Pressure loss/flow rate for Poliflo N

Typical Flow Rate Clean Water at Ambient Temperature
(per 10" cartridge)



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

Ordering Guide

Name	Micron Rating FP	Micron Rating N	Nominal Length	End Cap Type	Seal Type
Poliflo FP	0.2µm	0.2µm	5"	03	E - EDPM
Poliflo N	0.45µm	0.25µm	9.75"	04 - DOE	S - Silicone
Poliflo LT*	1µm	0.45µm	10"	07	V - Viton
	2.5µm	0.5µm	20"	08	N - Buna N
	5µm	1µm	30"		T - Teflon
	10µm	2µm	40"		
	25µm	5µm			
	50µm	10µm			
	100µm	25µm			
		50µm			

* Poliflo LT is available in 1µm absolute only and tested to comply with LT2 surface water treatment rules. Not available in DOE configurations.

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