



ESFLO GN PP Filter Cartridges

- Nominal grade liquid filters
- Polypropylene media

ESFLO GN liquid filter cartridges are designed for a wide variety of general process applications from fluid clarification to general pre-filtration.

ESFLO GN is made up of double layered polypropylene filter media with composite filter media of small and coarse diameter fibers resulting in lower pressure drop and longer filter life compare to the conventional polypropylene filters.

ESFLO GN all-polypropylene construction provides very low level of extractable and maximized chemical resistance to acids, bases and most organic solvents.

Features and Benefits

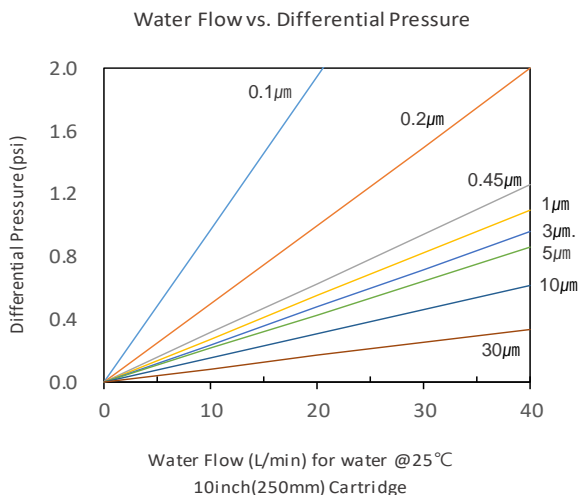
- Nominal micron rating range from 0.1 μm to 30 μm for wide range of applications.
- All polypropylene construction provides excellent chemical compatibility and very low level of extractable.
- Composite filter media technology provides lower pressure drop and high dirt holding capacity.
- Graded density media and double layered construction allows longer operating life and lower operating cost.
- Broad chemical compatibility allows in most applications.
- No surfactants or adhesives are present to interrupt product quality.

Applications

- DI Water
- Process Water
- Membrane Pre-filtration.
- Chemicals
- Solvents
- Acids & Bases



Performance Characteristics



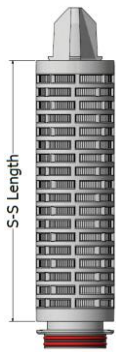
Specifications

Materials of Construction

■ Main Media :	Polypropylene
■ Prefilter Media :	Polypropylene
■ Upstream Support:	Polypropylene
■ Downstream Support:	Polypropylene
■ Inner Core:	Polypropylene
■ Outer Cage:	Polypropylene
■ End Caps:	Polypropylene

Nominal Dimensions

Outside Diameter : 71.5mm
 Inside Diameter of DOE : 27.0mm
 Inside Diameter of SOE : 31.0mm
 S-S Length of 10" Cartridge : 237.5mm
 S-S Length of 20" Cartridge : 485.0mm
 S-S Length of 30" Cartridge : 732.5mm
 S-S Length of 40" Cartridge : 980.0mm



Maximum Recommended Operating Temperature

70°C

Maximum Recommended Operating Differential Pressure

5.0 bard (72.5psid) @ 20°C
 4.0 bard (58.0psid) @ 40°C
 3.0 bard (43.5psid) @ 60°C

Recommended Change Out Differential Pressure

2.4 bard (35psid)

Effective Filtration Area

0.6sqm / 10" cartridge

Particle Removal Efficiency

>90% efficiency at 0.1, 0.2, 0.45, 1, 3, 5, 10 and 30µm.

* Performance determined by ASTM F-795-88, single-pass test using ISO standard dust in water at a flow rate of 10Liter/min per 10inch cartridge.

Flow factors

Per 10inch cartridge, at 1cP.

Rating (µm)	Flow factor (psid/gpm)
0.1	0.413
0.2	0.212
0.45	0.134
1	0.117
3	0.102
5	0.091
10	0.066
30	0.036

Ordering Information

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Nominal Length	µm Rating	Endcaps	Seals	Special Options		
1 : 10" (250mm) 2 : 20" (500mm) 3 : 30" (750mm) 4 : 40" (1000mm)	P1 : 0.1µm P2 : 0.2µm P4 : 0.45µm O1 : 1µm O3 : 3µm O5 : 5µm O10 : 10µm O30 : 30µm	B : DOE C : 226/FIN D : 222/FIN E : 222/FLAT F : 226/FLAT	S : Silicone E : EPDM V : Viton P : PTFE Encapsulated Silicone	F : Flushed with DIW & Silicone free G : Flushed with DIW Blank : No options	*DIW : DI water	

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