PREFLO NG™

Non-woven Depth Filters

INDUSTRIES & APPLICATIONS

- **Food & Beverage :** Bottle water, Beers, Wines, Syrups, Soft drinks
- **Pharmaceuticals :** Membrane pre-filtration
- **Chemicals :** Acids, Bases, Solvents
- **Cosmetics :** Alcohol, Creams, Olis
- **Coats :** Coating solutions, Paints, Inks
- **Water treatment :** Process water clarification, Membrane pre-filtration
- **Petrochemicals :** Amine, Oils, Glycol, Amine process, Oils, Resins

PREFLO NG™ are nominally rated non-woven depth filters designed for a wide range of filtration in water, chemical, cosmetics, food& beverage , and pharmaceutical industry.
The thermally bonded construction of the filter creates stable pore structure and high void volume that maximizes filter life and flow rates without any collapse and fiber migration.

FEATURES & BENEFITS

- Thermal bonded construction creates stable pore construction, which minimizes fiber migration and particle unloading
- The uniform fiber structure provides reliable reproducibility
- The foamed PE gaskets at both ends of the filter minimize fiber migration and leakage
- All polypropylene construction provides excellent chemical compatibility
- Available in a wide range of materials, endcap styles and micron ratings
- No surfactants or adhesives are present to interrupt product quality
- Low maintenance cost
- All materials of construction are FDA listed per 21CFR177

TECHNICAL DATA

Nominal Dimensions

· Length	250, 500, 750, 1000 mm 10, 20, 30, 40 inch
· Inner Diameter	28, 30 mm
· Outer Diameter	62 mm

Materials of Construction

· Filtration Media	Polypropylene
· Inner Core	Polypropylene Glass filled Polypropylene
· Outer Cage	N/A
· End Caps	Polypropylene Glass filled Polypropylene
· O-rings / Gaskets	Silicone EPDM Viton TEV Foamed Polyethylene

Max. Operating Temperature

80°C (176°F)

Max. Operating Forward Differential Pressure

5 bard (72.5 psid) at 20 °C
4 bard (58.0 psid) at 40 °C
3 bard (43.5 psid) at 60 °C
1 bard (14.5 psid) at 80 °C

Recommended Change Out Differential Pressure

2 bard (29.0 psid)

Micron Ratings

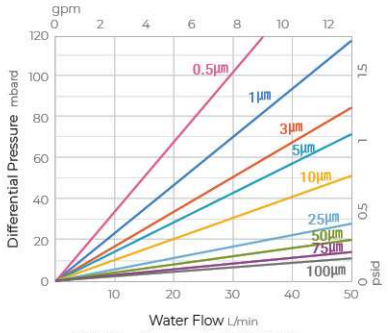
0.5, 1, 3, 5, 10, 25, 50, 75, 100 µm

90% (β-Ratio 10) in accordance with modified ASTM F-795-88

(Single pass, constant flow of 10LPM/10" cartridge, ISO standard dust A3 in water)

TYPICAL CLEAN WATER FLOW

CARTRIDGE



10" Cartridge at 20°C Water

ORDERING INFORMATION

❶	❷		❸		❹		❺	❻	❼	❽
DNG	001	-	C1	-	P	P	P	1	1	W
	MICRON RATING		END STYLE		HARDWARE		SEALS		LENGTH	
	P50 : 0.5µm **001** : 1µm **003** : 3µm **005** : 5µm **010** : 10µm **025** : 25µm **050** : 50µm **075** : 75µm **100** : 100µm		**C1** : DOE **C2** : 226Lock/FLAT **C3** : 222/FLAT **C7** : 226Lock/FIN **C8** : 222/FIN		**P** : PP **R** : Glass filled PP		**P** : Foamed PE **S** : Silicone **E** : EPDM **V** : Viton **F** : TEV		**1** : 250mm **2** : 500mm **3** : 750mm **4** : 1,000mm **A** : 254mm **B** : 508mm **C** : 762mm **D** : 1,016mm	
							ID/OD			OPTION
							1 : Ø28/Ø62 **2** : Ø30/Ø62			**Blank** : Narrow pattern **W** : Wide pattern