

PREFLO ML™

Melt-blown Depth Filters / Large Diameter



INDUSTRIES & APPLICATIONS

-  **Food & Beverage :**
Process water clarification
-  **Electronics :**
Deionized water pre-filtration
-  **Pharmaceuticals :**
Deionized water pre-filtration
-  **Water treatment :**
Process water clarification

PREFLO ML™ filter cartridges are large diameter melt-blown depth filters for a particle removal for a wide range of fluids that requires a high flow rate.

PREFLO ML™ filter cartridges have multiple filtration zones making a gradient pore structure of a filter, which effectively captures large particles in the outer sections while providing highly efficient and consistent removal of smaller particles in the innermost sections. As a result, the construction allows for a high dust holding capacity and high flow rate.

FEATURES & BENEFITS

- High flow and big capacity allow smaller housings and less capital expenditure
- Big capacity reduces processing time and maintenance cost to change
- Graded pore construction provides low pressure drop and long filter life
- Stable pore structure by thermal bonding minimizes fiber migration and unloading
- All polypropylene construction provides broad chemical compatibility and minimized extractables
- The uniform fiber structure provides reliable reproducibility
- No surfactants or adhesives are present to interrupt product quality
- All materials of construction are FDA listed and conform to the relevant requirements of 21CFR177

TECHNICAL DATA

Nominal Dimensions

· Length	250, 500, 750, 1000 mm 10, 20, 30, 40 inch
· Inner Diameter	113mm
· Outer Diameter	137, 151mm

Materials of Construction

· Filtration Media	Polypropylene
· Inner Core	N/A
· Outer Cage	N/A
· End Caps	N/A
· O-rings / Gaskets	N/A

Max. Operating Temperature

60°C (140°F)

Max. Operating Forward Differential Pressure

4 bard (58.0 psid) at 20 °C
3 bard (43.5 psid) at 40 °C
2 bard (29.0 psid) at 60 °C

Recommended Change Out Differential Pressure

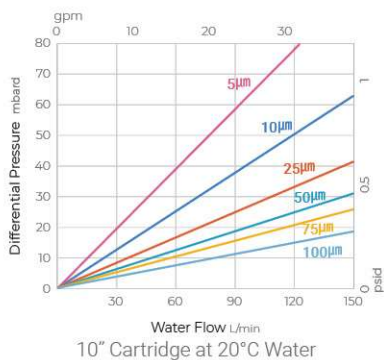
2 bard (29.0 psid)

Micron Ratings

5, 10, 20, 40, 60, 80 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



ORDERING INFORMATION

①	②	-	C	S	P	W	③	④
DML	001						1	1
	MICRON RATING						ID/OD	LENGTH
	005 : 5µm						1 : Ø113/Ø137	1 : 250mm
	010 : 10µm						2 : Ø113/Ø151	2 : 500mm
	020 : 20µm							3 : 750mm
	040 : 40µm							4 : 1,000mm
	060 : 60µm							A : 254mm
	080 : 80µm							B : 508mm
								C : 762mm
								D : 1,016mm

ABSFIL