

PREFLO SG™

String Wound Depth Filters



INDUSTRIES & APPLICATIONS

-  **Food & Beverage** : Bottle water, Beers, Wines, Syrups, Soft drinks
-  **Electronics** : Process chemicals, Plating solutions, Wash solutions
-  **Chemicals** : Acids, Bases, Solvents
-  **Water treatment** : Process water clarification, Membrane pre-filtration
-  **Petrochemicals** : Amine, Oils, Glycol, Amine process, Oils, Resins

PREFLO SG™ are nominally rated string wound depth filters designed for an application where economical, reliable and consisted depth filtration is required. The precise winding pattern and controlled graded density of the cartridge results in higher dirt holding capacity and increases the filter service life.

FEATURES & BENEFITS

- Graded density construction maximizes filter service life
- High dirt holding capacity reduces processing time and maintenance cost
- High flow rate and low pressure drop reduces system wear and tear
- Inner core covers provide minimized fiber migration
- Various yarn materials for wide range of customer requirements
- Wide chemical compatibility
- Available in 304 and 316 stainless-steel extended core
- Available up to 60inch long
- Available in a wide range of endcap styles and micron ratings

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 Fibrillated Polypropylene Polyester Natural cotton FDA Bleached cotton Acryl Fiber glass
· Inner Core Cover	Polypropylene
· Inner Core	Polypropylene Glass filled Polypropylene STS304 STS316
· Outer Cage	N/A
· End Caps	Polypropylene Glass filled Polypropylene
· O-rings / Gaskets	Silicone EPDM Viton TEV Foamed Polyethylene

Max. Operating Temperature

· Cotton (STS Core)	121°C (250°F)
· Polypropylene (PP Core)	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

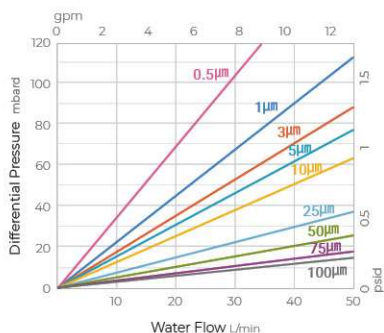
2 bard (29.0 psid)

Micron Ratings

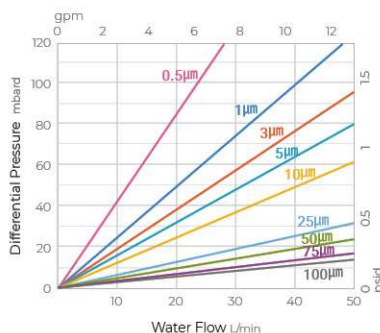
0.5, 1, 3, 5, 10, 25, 50, 75, 100 µm
90% (β-Ratio 10) in accordance with modified ASTM F-795-88
(Single pass, constant flow of 10LPM/10" cartridge, ISO standard dust A3 in water)

TYPICAL CLEAN WATER FLOW

CARTRIDGE



Polypropylene String Wound
10" Cartridge at 20°C Water



Cotton String Wound
10" Cartridge at 20°C Water

ORDERING INFORMATION

①	②	③	④	⑤	⑥	⑦	⑧	⑨		
DSG	-	001	-	C1	P	P	W	1	1	E
		END STYLE		MEDIA		ID/OD		OPTION		
		C1 : DOE C2 : 226Lock/FLAT C3 : 222/FLAT C7 : 226Lock/FIN C8 : 222/FIN		P : General PP F : Fibrillated PP C : Natural Cotton B : FDA Bleached Cotton G : Fiber Glass E : Polyester		1 : Ø28/Ø62 2 : Ø30/Ø62 1 : Ø28/Ø65 * 2 : Ø30/Ø65 * *DOE only		Blank : Standard E : Extended Core		
		MICRON RATING		HARDWARE		SEALS		LENGTH		
		P50 : 0.5µm 001 : 1µm 002 : 2µm 003 : 3µm 005 : 5µm 010 : 10µm 025 : 25µm 050 : 50µm 075 : 75µm 100 : 100µm		P : PP R : Glass filled PP A : 304SS S : 316SS		W : Without Seal P : Foamed PE S : Silicone E : EPDM V : Viton F : TEV		1 : 250mm 2 : 500mm 3 : 750mm 4 : 1,000mm 5 : 1,250mm A : 254mm B : 508mm C : 762mm D : 1,016mm		

ABSFIL