








COMBIFLO SS™

Composite String Wound Depth Filters



INDUSTRIES & APPLICATIONS

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

COMBIFLO SS™ are advanced depth filter cartridges designed for a viscous fluid filtration with higher particle removal.

COMBIFLO SS™ utilizes various yarn as a base filter medium and has integral depth filter media to provide finer and consistent filtration efficiency. The combination of yarn and depth filter media provides ideal graded filtration through the depth construction of the media, resulting in increased dirt holding capacity and finer filtration efficiency.

FEATURES & BENEFITS

- The composite unique construction provides exceptional filter life and high removal efficiency at high viscosity and high contaminated applications
- Inner core covers provide minimized fiber migration
- High dirt holding capacity reduces processing time and maintenance cost
- The uniform fiber structure provides reliable reproducibility
- All polypropylene construction provides excellent chemical compatibility
- No binders are present to interrupt product quality
- Available in a wide range of materials, end 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
· Integral Filter Media	Polypropylene
· Inner Core Cover	Polypropylene
· Inner Core	Polypropylene Glass filled Polypropylene
· 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

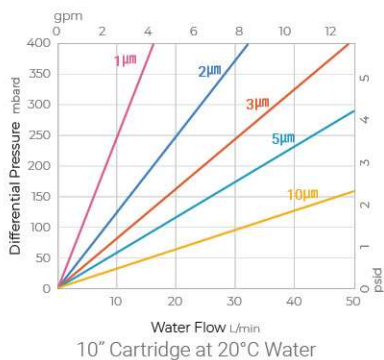
2 bard (29.0 psid)

Micron Ratings

1, 2, 3, 5, 10 µm
99% (β-Ratio 100) 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	3	4	5	6	7
CSS	001	C1	P P	S	1	1
	MICRON RATING	END STYLE		SEALS		LENGTH
	001 : 1µm	C1 : DOE		W : Without Seal		1 : 250mm
	002 : 2µm	C2 : 226Lock/FLAT		P : Foamed PE		2 : 500mm
	003 : 3µm	C3 : 222/FLAT		S : Silicone		3 : 750mm
	005 : 5µm	C7 : 226Lock/FIN		E : EPDM		4 : 1,000mm
	010 : 10µm	C8 : 222/FIN		V : Viton		A : 254mm
				F : TEV		B : 508mm
						C : 762mm
						D : 1,016mm
				ID/OD		OPTION
				1 : Ø28/Ø62		Blank : Standard
				2 : Ø30/Ø62		E : Extended Core

ABSFIL