COMBIFLO NS™

Composite Non-woven Depth Filters

INDUSTRIES & APPLICATIONS

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

COMBIFLO NS™ are advanced depth filter cartridges designed for finer pre-filtration in water purification, chemical, coating, food and beverage applications.

COMBIFLO NS™ utilizes polypropylene non-woven as a base filter medium and has integral depth filter media to provide finer and consistent filtration efficiency. The combination of non-woven 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 high dirt holding capacity and higher particle removal efficiency
- The uniform fiber structure provides reliable reproducibility
- High dirt holding capacity reduces processing time and maintenance cost
- Reliable and cost-effective to reduce expenses
- 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	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

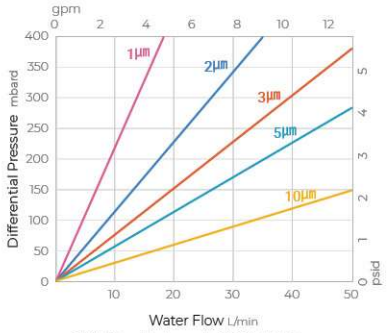
1, 2, 3, 5, 10 µm

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



10" Cartridge at 20°C Water

ORDERING INFORMATION

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CNS	-	001	-	C1	P	P	S	1	1
		MICRON RATING		END STYLE			SEALS	ID/OD	LENGTH
		001 : 1µm		**C1** : DOE			**P** : Foamed PE	**1** : Ø28/Ø62	**1** : 250mm
		002 : 2µm		**C2** : 226Lock/FLAT			**S** : Silicone	**2** : Ø30/Ø62	**2** : 500mm
		003 : 3µm		**C3** : 222/FLAT			**E** : EPDM		**3** : 750mm
		005 : 5µm		**C7** : 226Lock/FIN			**V** : Viton		**4** : 1,000mm
		010 : 10µm		**C8** : 222/FIN			**F** : TEV		**A** : 254mm
									B : 508mm
									C : 762mm
									D : 1,016mm