

COMBI I (Wound semi absolute depth)

Description

COMBI I cartridges which have semi-absolute removal grade are a major advance in blanketed filter technology. By combining an enhanced open wind process with an internal media blanket, this is suitable for consistent filtration, fine & higher efficient filtration and other liquid applications.



Features

- Semi absolute micron rating
- Suitable for slurry filtration of high viscose and purity
- High dirt holding capacity
- Available in a wide range of materials and micron ratings
- Minimized leakage of fiber and used inner core cover

Applications

Chemical Industry	Acid, base, organic solvent, plating solution, magnetic coating, polyester resin
Food & Beverage Industry	Edible oil, coco butter, sugar, saccharin, starch syrup, soft drink, beer
General Process Industry	Process water
Oil & gas Industry	Amine, glycol, lubricating oil

Specifications

Dimension & Structure	Length	9.75", 10", 19.65", 20", 29.5", 30" 39.5", 40" inch / 250, 254, 500, 508, 750, 762, 1000, 1016 mm
	ID	28, 30 mm
Materials of Construction	OD	62 mm
	Effective filtration area	Polypropylene, Non foaming P.P*, Blenched cotton
	Filtration media (yam)	Natural cotton, Blenched cotton, Acryl, Fiber glass
	Inner core	Polypropylene, reinforced polypropylene by Talc, 304 SS, 316 SS
	Inner core cover	Spun bonded Polypropylene, polyester
Operating Conditions	O-rings & gaskets	Silicone, EPDM, Viton, TEV & Foamed polyethylene
	Maximum differential pressure	36.3 psid / 2.5 bar at 60 °C 69.6 psid / 4.8 bar at 30 °C
	Maximum operating temperature	304 SS, 316 SS core - 300 °F / 147 °C P.P core - 176 °F / 80 °C

* Silicon free non-foaming polypropylene.

Materials of Media

Grade	Materials of Yarn	Main Media	Materials of Core Cover
01	Polypropylene, Blenched cotton	Glass fiber, P.P melt-blown Glass fiber	Spun Polypropylene Spun Polyester
02	Polypropylene, Blenched cotton	P.P melt-blown Glass fiber	Spun Polypropylene Spun Polyester
03	Polypropylene	P.P melt-blown	Spun Polypropylene
04	Polypropylene	P.P melt-blown, Viscose rayon	Spun Polypropylene
05	Polypropylene, Blenched cotton	P.P melt-blown Viscose rayon	Spun Polypropylene Spun Polyester
06	Polypropylene, Blenched cotton	P.P melt-blown Viscose rayon	Spun Polypropylene Spun Polyester
07	Polypropylene	Spun Polypropylene	Spun Polypropylene
08	Polypropylene, Blenched cotton	N/A N/A	Spun Polypropylene Spun Polyester

Liquid Particle Retention Ratings

Grade	$\beta = 5,000$	$\beta = 1,000$	$\beta = 10$
		99.98%	99.90%
01	<1.4*	<1.3*	<1.0*
02	2.5	2.2	<1.3*
03	3.0	2.7	<1.5*
04	4.0	3.5	<1.6*
05	6.5	4.9	2.1
06	8.5	7.6	2.5
07	9.0	8.0	2.8
08	9.5	9.0	3.1

* Extrapolated value

Pressure Drop vs. Water Flow Rate

