

COMBI II (Non-woven semi absolute depth)

Description

COMBI II cartridges which have semi-absolute removal grade are a non-woven depth filter. This is designed for high viscous and purity slurry filtration.

By combining an spun bonded non-woven and melt blown non-woven, this is suitable for consistent filtration, fine & higher efficient filtration and other liquid applications.



Features

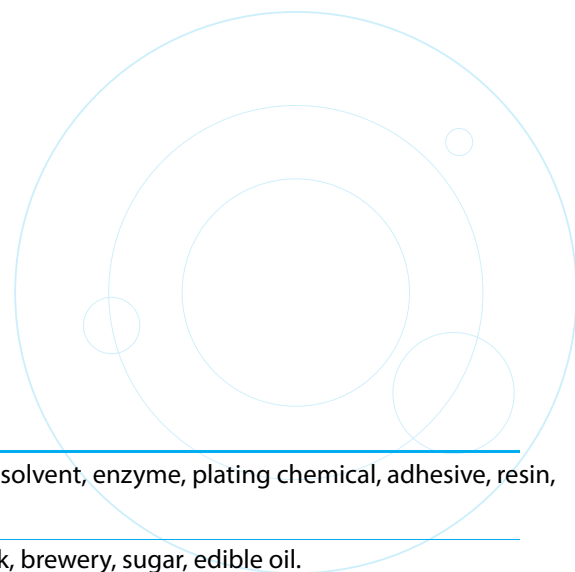
- Semi absolute micron rating
- Superior adsorption efficiency for oil in water
- Multi-layers structure
- Free of surfactants, binders and adhesives
- Thermal bonding

Applications

Chemical Industry	Paint, ink, magnetic paint, oil resin, solvent, enzyme, plating chemical, adhesive, resin, photographic chemical
Food and Beverage Industry	Wine, potable water, beer, soft drink, brewery, sugar, edible oil.
General Process Industry	PDP, chemical liquid, water for print-circulation-board, pre-filtration for RO, slurry UF, pure water, safety filter for ion-exchanging machine

Specifications

Dimension & Structure	Length ID OD	9.75", 10", 19.65", 20", 29.5", 30", 39.5", 40" inch / 250, 254, 500, 508, 750, 762, 1000, 1016 mm 28, 30 mm 62 mm
	Effective filtration area	0.05 m ² per 10inch
Materials of Construction	Filtration media Inner core & adapters O-rings & gaskets	Graded density spun polypropylene Polypropylene, reinforced polypropylene by Talc Silicone, EPDM, Viton, TEV & Foamed polyethylene
Operating Conditions	Maximum differential pressure Maximum operating temperature	36.3 psid / 2.5 bar at 60 °C 69.6 psid / 4.8 bar at 30 °C PP core - 176 °F / 80 °C



Liquid Particle Retention Ratings

Removal Ratings(μm)	$\beta = 5,000$	$\beta = 1,000$	$\beta = 10$
	99.98%	99.90%	90.00%
4.5	4.2	3.7	3.1
6	5.7	4.1	4.5
10	9.8	7.6	5.2
20	21.5	15.4	12.5
40	40.2	35.8	15.2

Pressure Drop vs. Water Flow Rate

