

# PRE II (Non-woven depth)

## Description

PRE II is a non-woven melt blown multi-layer type cartridge filter made of silicone free material with entangled fiber structure for customized solutions. This is thermally bonded without the use of surfactant, binders and adhesives. This is suitable for longer life span process, superior pre-filtration and eliminating the need for circulation to achieve product clarity.



## Features

- Graded density matrix of all polypropylene fiber
- No media migration
- Free of surfactants, binders and adhesives
- Thermal bonding
- Nominal micron rating

## Applications

Chemical Industry	Paint, ink, magnetic paint, oil resin, solvent, enzyme, plating chemical, adhesive, resin, photographic chemical
Food 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 <sup>2</sup> per 10inch
Materials of Construction	Filtration media Inner Core and Out cage 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	30 psid / 2.1 bar at 60 °C 60 psid / 4.2 bar at 30 °C PP core - 176 °F / 80 °C

## Liquid Particle Retention Ratings

Removal Ratings( $\mu\text{m}$ )	$\beta = 1,000$	$\beta = 100$	$\beta = 10$
	99.90%	99.00%	90.00%
1	9.7	7.8	5.0
3	11.4	9.1	5.9
5	13.6	11.8	7.2
10	17.5	14.5	8.3
25	25.3	18.5	9.9
50	50.0	38.4	12.8
75	73.5	41.1	13.3
100	95.6	47.1	15.4

## Pressure Drop vs. Water Flow Rate

