

## PP Series – PP Absolute Melt Blown Depth Filter Cartridges



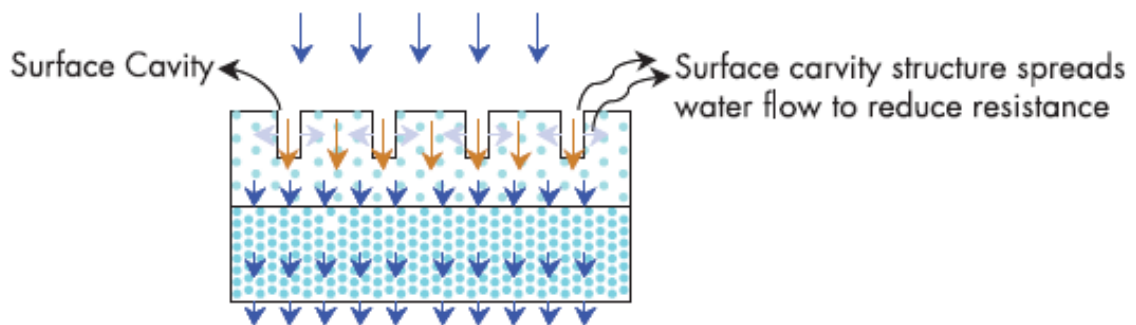
**PP Series  
PP Absolute Melt Blown Depth  
Filter Cartridge**

- Absolute micron ratings of 1.0 to 100**
- Available in sizes 10", 20", 30" and 40".**
- NSF42 and FDA CFR Title 21 certified**
- 100% Polypropylene allows compatibility with most process fluids**
- Micro-denier melt blown fiber provides high removal ratings**
- Continuously gradient pore structure provides**
  - Larger surface area
  - Increased holding capacity
  - Longer service life
  - Lower pressure drop
- Surface cavity structure spreads water flow to reduce resistance**
- Formed by thermal bonding without use of binders or adhesives**
- Recommended uses**
  - Chemical – Low viscosity solutions
  - Electronics – Coolant
  - Film – Fixative
  - Machine – Recycled water
  - Paint – Spray paint
  - Water treatment – Pre-filtration



**Suggested equivalent products**

- |             |             |
|-------------|-------------|
| ■ Filterite | Nexis       |
| ■ Chisso    | CP          |
| ■ CUNO      | Deltaklean  |
| ■ CUNO      | Betapure    |
| ■ CUNO      | Micro-Klean |
| ■ US Filter | Polydepth   |
| ■ Daiwabo   | SEKLSO      |



### Specifications

Item	Technical data
Micron ratings Absolute (micro)	1.0 3.0 5.0 10 25 50 75 100
Material of construction	100%Melt Blown Micron-denier Polypropylene Fiber
Length (inch)	10 20 30 40
Inner diameter (inch)	1.1
Outer diameter (inch)	2.5
Maximum operating forward pressure	176 °F: 17 psi 140 °F: 30 psi 68 °F: 60 psi
Recommended replaceable pressure drop	30 psi
Industry	Chemical, Electronics, Film, Machine, Paint, Water Treatment
Maximum working temperature	176 °F

### Efficiency of Filtration

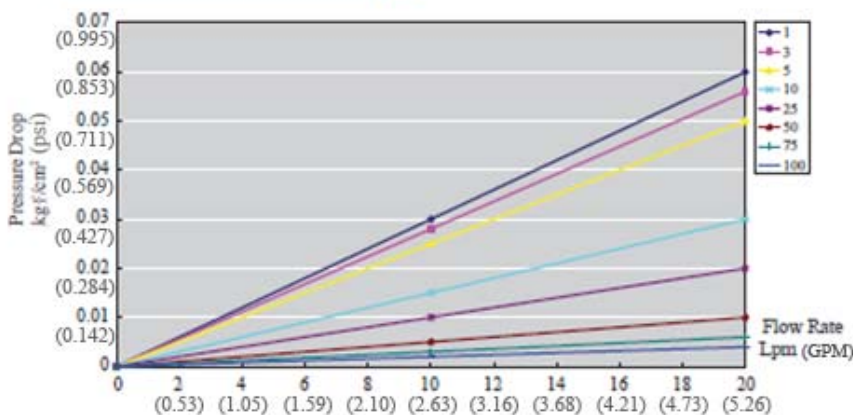
spec.	Retenion Efficiency (%)							
	1µm	3µm	5µm	10µm	25µm	50µm	75µm	100µm
SP001	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
SP003	89.3	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
SP005	75.9	91.2	>99.9	>99.9	>99.9	>99.9	>99.9	>99.9
SP010	—	63.8	87.3	>99.9	>99.9	>99.9	>99.9	>99.9
SP025	—	—	69.9	92.8	>99.9	>99.9	>99.9	>99.9
SP050	—	—	—	58.1	74.9	>99.9	>99.9	>99.9
SP075	—	—	—	—	63.9	90.5	>99.9	>99.9
SP100	—	—	—	—	60.1	87.4	92.8	>99.9

\*Multi-pass Test

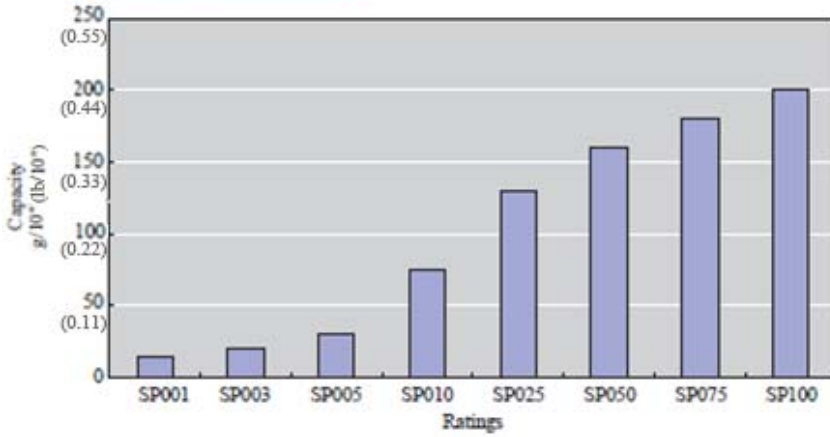
### Micron ratings

- SP 001 = 1.0
- SP 003 = 3.0
- SP 005 = 5.0
- SP 010 = 10
- SP 025 = 25
- SP 050 = 50
- SP 075 = 75
- SP 100 = 100

### Initial Pressure Drop



**Capacity of Dust**



**Micron ratings**

- SP 001 = 1.0
- SP 003 = 3.0
- SP 005 = 5.0
- SP 010 = 10
- SP 025 = 25
- SP 050 = 50
- SP 075 = 75
- SP 100 = 100

**Product Codes**

SP-	005-	E	0-	0987-	P-	W
	<b>Micron Rating</b>	<b>O-ring</b>	<b>End Cap</b>	<b>Bag Length</b>	<b>Inner Core</b>	
	001=1 003=3 ...up to... 100=100	E=EPDM N=Buna N S=Silicone V=VITON T=PFA encapsulated w/Viton A=PE (gasket only)*	Blank=Double Open F= Double Open w/Cap (DOE) 0=222/Flat 5=222/Fin 6=226/Flat 7=226/Fin	0987=9.87" 1000=10.0" 2000=20.0" 3000=30.0" 4000=40.0"	P = PP	W=Pre-flush w/ DI Water

\* PE gasket with max temperature of 140°F

Example:

SP-005-E-0-0987-P-W