

Applications

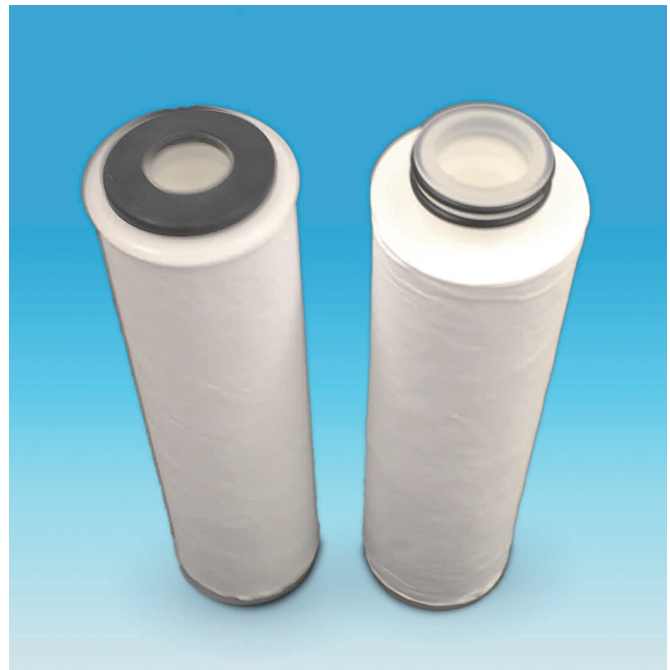
CMP slurry, Inkjet inks, DI water

Description

Profile III filters are all polypropylene innovative depth filters. The fibers in Profile III filters may be considered continuous. No binder resin is used – the fibers are “bonded” by intertwining during the manufacturing process. As a result, Profile III filters show no media migration. Profile III filters can be expected to yield longer service life and lower your total filtration costs.

Revolutionary Cartridge Construction

Longer service life is maintained by its continuously graded pore structure for built in prefiltration. In addition, because of Profile III's unique larger core and innovative fiber structure, Profile III's initial pressure drop is up to 50% (0.3 μm) and 30% (1.0 μm) lower than Profile II's pressure drop with no reduction in efficiency, for equivalent grades.



MCY type

AB type

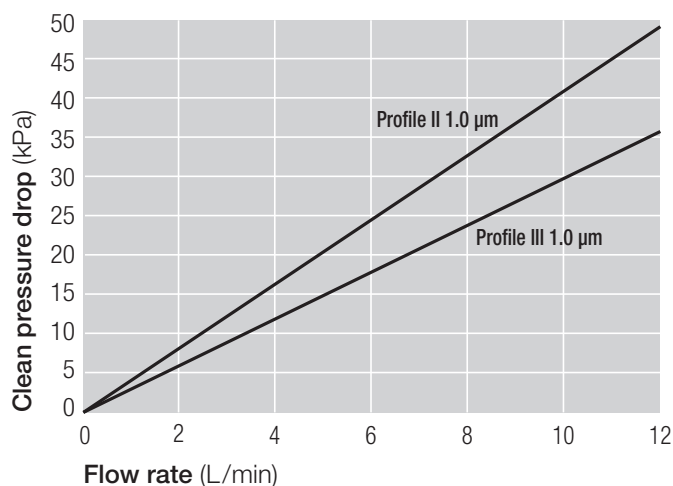
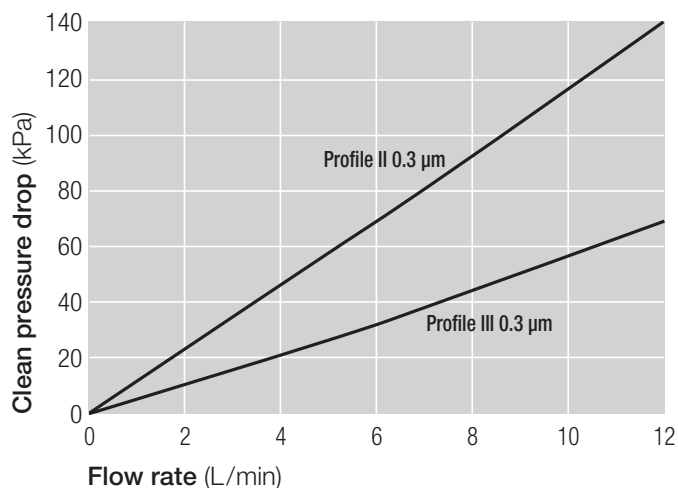
Specifications

Materials of Construction

Components	Materials
Filter medium	Polypropylene
Core	Polypropylene
Endcaps and cage (MCY, AB type)	Polypropylene
Gasket (MCY type)	EPDM (Consult factory for other materials)
O-ring (AB type) (Size : Code 25) (Size : Code 7)	EPDM (Consult factory for other materials) 222 double O-ring flat end 226 double O-ring bomb fin
Removal Rating	0.3 μm , 1.0 μm
Maximum Temperature ¹	82 °C / 180 °F
Maximum Differential Pressure	0.41 MPa / 60 psid @ 30 °C / 86 °F 0.34 MPa / 50 psid @ 50 °C / 122 °F 0.21 MPa / 30 psid @ 70 °C / 158 °F 0.10 MPa / 15 psid @ 82 °C / 180 °F

¹ Consult your local Pall representative on the condition at high temperature over 49 °C

Typical Flow Characteristics – 1 cP fluid, 20 °C



Part Numbers / Ordering Information²

MCY type : MCY100 1 W 2 J254

AB type : AB 1 W 2 25J

AB type : AB 1 W 2 7J

Table 1

Code	Cartridge Nominal Length	Cartridge Nominal Diameter
1	254 mm / 10 inch	70 mm / 2.75 inch
2	508 mm / 20 inch	70 mm / 2.75 inch
3	762 mm / 30 inch (AB type only)	70 mm / 2.75 inch

Table 2

Code	Removal Ratings
010	1.0 µm
003	0.3 µm

²For 4" Code 25 and 1" Test Filters, please contact your local Pall representative for price and availability.



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