

## Profile® III Filter (50 nm) for Advanced CMP Applications

### Description

The Profile® III 50 nm Filter has been developed to classify CMP slurries used in today's most advanced technologies. Pall's latest advancements in its melt-blowing processes have been utilized to produce extremely fine fibers that make it possible to remove large particles in slurries with mean particle size as low 30 nm, while being able to maintain an extremely low pressure drop across the filter.

These technology advancements make the Profile III, the filter of choice for next generation ceria and silica slurries.

### Features & Benefits

- Multi-zone pore construction optimizes both retention and filter service life
- Each zone is manufactured to a target specification ensuring consistent, reproducible performance



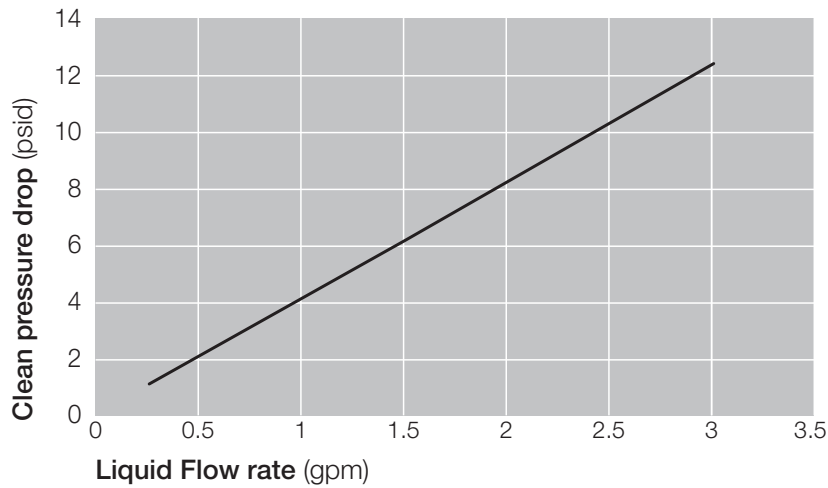
### Materials of Construction

Components	Materials
Filter media	Polypropylene
Core, Cage, End caps	Polypropylene
O-ring	Ethylene Propylene (EPR)

### Specifications

Configurations	Code 25	Code 7
Nominal Length	AB04 : 118 mm / 4.6 in AB1 : 276 mm / 10.9 in AB2 : 524 mm / 20.6 in AB3 : 777 mm / 30.6 in AB4 : 1,032 mm / 40.6 in	AB04 : 165 mm / 6.5 in AB1 : 320 mm / 12.6 in AB2 : 569 mm / 22.4 in AB3 : 817 mm / 32.2 in AB4 : 1,066 mm / 42.0 in
Nominal Diameter	70 mm / 2.75 in	
Removal Ratings	50 nm	
Maximum Operating Temperature	82 °C / 180 °F	
Maximum Forward Differential Pressure	0.41 MPa @ 30 °C / 60 psid @ 85 °F 0.34 MPa @ 50 °C / 50 psid @ 122 °F 0.2 MPa @ 70 °C / 30 psid @ 158 °F 0.1 MPa @ 82 °C / 15 psid @ 180 °F	

## Typical Flow Characteristics – 1 cP fluid, 20 °C



## Part Numbers / Ordering Information

AB 1 W0005 2 J

Table 1

Code	Cartridge Nominal Length
04	4"
1	10"
2	20"
3	30"
4	40"

Table 2

Code	O-ring Size / End Caps
25	222 double O-ring flat end
7	226 double O-ring bomb fin



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