



PLANARGARD® NMB CARTRIDGE FILTERS

Sub 32 nm node CMP slurry filtration with leading edge of "Nanofiber Continuous Melt-blown" technology

Overview

The Planargard® NMB CMP slurry filter is constructed of a new polypropylene membrane technology that produces a continuous-melt-blown (CMB) fiber in-depth media structure. The CMB technology enables yield improvement in both bulk slurry and point-of-use applications at sub 32 nm nodes.

Nanofiber Continuous Melt-blown Technology

Planargard NMB filters contain nanofibers and multi-layer CMB media for an improved flow path with high retention. The large gradients design can increase particle-loading capacity and lower-face-velocity due to increased media porosity, providing a long lasting filter performance without compromising the filter retention performance.

Target Application

- Ceria and colloidal silica bulk slurry filtration
- Sub-fab CDS filtration



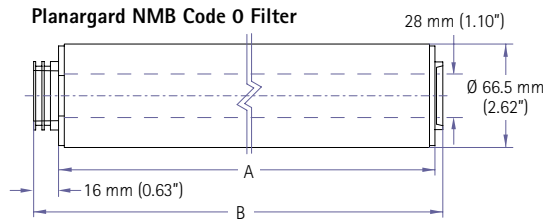
Features and Benefits

Features	Benefits
Various retention rating	Applicability to many slurry processes, including pre-filtration and final filtration in slurry manufacturing
Nanofiber CMB technology	Better defect reduction performance at the same rating
Optimized graded depth structure	Lower cost of ownership
High-volume filter manufacturing	Consistent and high quality
	Short lead time to customers

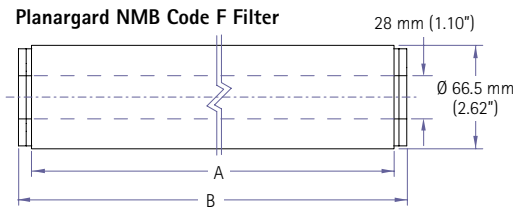
Specifications

Materials:	Membrane	Polypropylene
	Support	Polypropylene
	Cartridge o-ring	EPR, Silicon, 2-222
Product type:	NMB	
Maximum operating conditions:	Maximum temperature	80°C (176°F)
	Maximum forward differential pressure	0.48 MPa (4.8 bar, 70 PSI) @ 25°C (77°F)

Dimensions



Size	A	B
10"	240 ±2 mm (9.45 ±0.08")	263 ±2 mm (10.35 ±0.08")
20"	494 ±2 mm (19.45 ±0.08")	517 ±2 mm (20.35 ±0.08")
30"	748 ±3 mm (29.45 ±0.12")	771 ±3 mm (30.35 ±0.12")
40"	1002 ±3 mm (39.45 ±0.12")	1024 ±3 mm (40.31 ±0.12")



Size	A	B
10"	240 ±2 mm (9.45 ±0.08")	251 ±2 mm (9.88 ±0.08")
20"	494 ±2 mm (19.45 ±0.08")	505 ±2 mm (19.88 ±0.08")
30"	748 ±3 mm (29.45 ±0.12")	758 ±3 mm (29.84 ±0.12")
40"	1002 ±3 mm (39.45 ±0.12")	1013 ±3 mm (39.88 ±0.12")

For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit www.entegris.com and select the Customer Service link for the center nearest you.

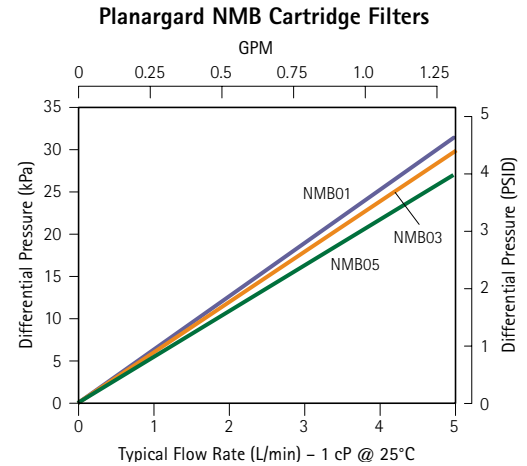
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ENTEGRIS, INC.

Corporate Headquarters | 129 Concord Road | Billerica, MA 01821 USA
 Customer Service Tel. +1 952 556 4181 | Customer Service Fax +1 952 556 8022
 In North America 800 394 4083 | www.entegris.com

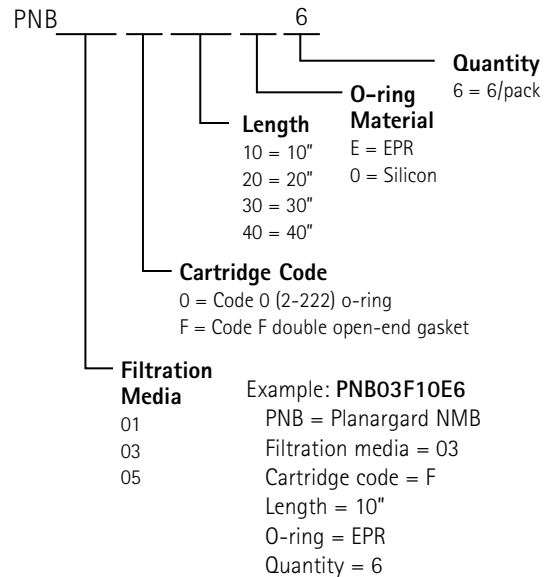
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Performance Data



Ordering Information

Part Number



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