



## PLANARGARD® NMB BULK CMP FILTERS

Advanced node CMP slurry filtration with leading edge "Nanofiber Continuous Melt-blown" technology

### Overview

Delivering bulk CMP filtration solutions to advanced CMP applications, the Planargard® NMB CMP slurry filter is constructed of an advanced polypropylene membrane technology that produces a Nanofiber Continuous Melt-blown (NMB) fiber in-depth media structure. The NMB technology enables yield improvement in bulk chemical distribution system (BCDS) applications at advanced nodes.

#### Nanofiber Continuous Melt-blown Technology

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



#### Target Application

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

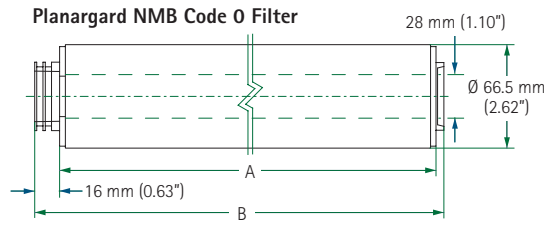
### Features and Benefits

Features	Benefits
Low shear filtration	Enables high retention performance for bulk chemical distribution system (BCDS) applications at advanced nodes Prevents filtered slurry to re-agglomerate after aging
Improved nanofiber continuous melt-blown technology	Superior defect reduction performance in next-generation CMP slurry Reduces slurry large particle count (LPC), which in turn minimizes the probability that micro-scratching can occur during polishing
Optimized graded depth structure	Longer-lasting filter performance Increased particle-holding capacity Lower face-velocity due to increased media porosity
High-volume filter manufacturing	Consistently high-quality performance More efficient process with shortened lead time to customers

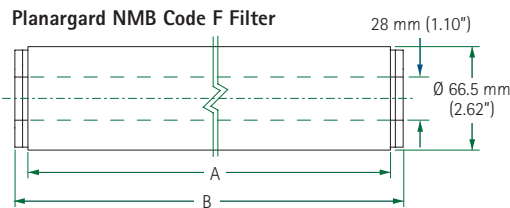
### Specifications

	Membrane	Polypropylene
	Support	Polypropylene
Materials:	Cartridge o-ring	EPR, FKM, 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 mm ±2 mm (9.45" ±0.08")	263 mm ±2 mm (10.35" ±0.08")
20"	494 mm ±2 mm (19.45" ±0.08")	517 mm ±2 mm (20.35" ±0.08")
30"	748 mm ±3 mm (29.45" ±0.12")	771 mm ±3 mm (30.35" ±0.12")
40"	1002 mm ±3 mm (39.45" ±0.12")	1024 mm ±3 mm (40.31" ±0.12")

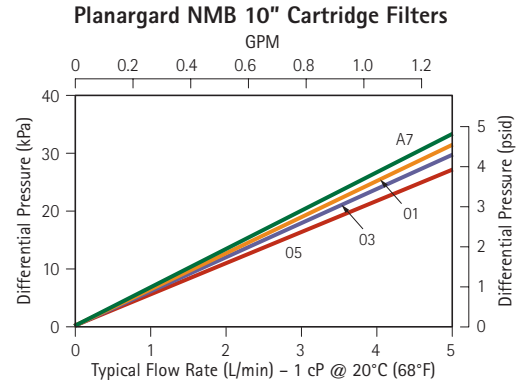


Size	A	B
10"	240 mm ±2 mm (9.45" ±0.08")	251 mm ±2 mm (9.88" ±0.08")
20"	494 mm ±2 mm (19.45" ±0.08")	505 mm ±2 mm (19.88" ±0.08")
30"	748 mm ±3 mm (29.45" ±0.12")	758 mm ±3 mm (29.84" ±0.12")
40"	1002 mm ±3 mm (39.45" ±0.12")	1013 mm ±3 mm (39.88" ±0.12")

## For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [www.entegris.com](http://www.entegris.com) and select the Customer Service link for the center nearest you.

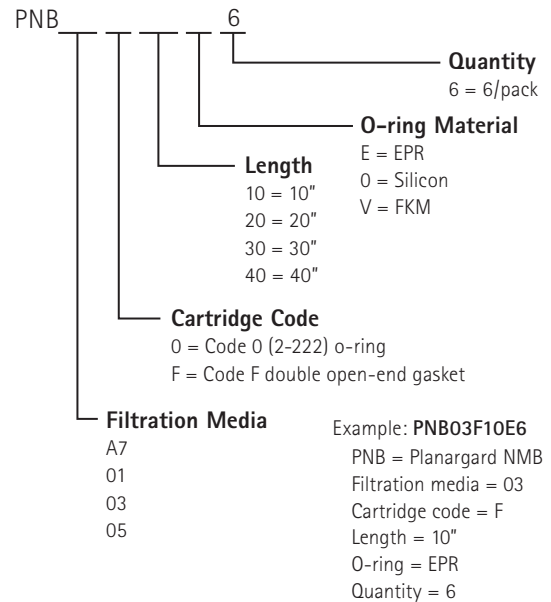
## Performance Data



## Ordering Information

### Planargard NMB Bulk CMP Filters

#### Part Number



## Terms and Conditions of Sale

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