

# Solaris® NMB Filter

*Advanced slurry filter for large particle reduction*

Delivering point-of-tool filtration solutions to advanced CMP applications, Solaris® NMB filters offer very low large particle counts (LPC) and no change to particle size distribution. Advanced CMP applications are moving toward lower solid concentration, very fine abrasive, and very stringent defect levels. Solaris NMB is specially designed to reduce critical large particle counts in various applications, especially optimized for colloidal silica, ceria, and very fine alumina slurries. Solaris NMB filters provide higher retention and longer lifetime performance.

## Higher Retention, Lower Resistance and Superior Lifetime

Solaris NMB filters contain nanofibers and multilayered continuous melt-blown (CMB) media for an improved flow path with high retention. Finer fiber can increase the media porosity and reduce the media resistance. The large gradient design increases particle-loading capacity and provides long-lasting filtration without compromising the filter retention performance.

## Low Hold-Up Volume Design

Solaris NMB filter molded surfaces are designed to be “well-swept” with minimal dead space. This minimizes the entrapment of “seed” particles, ensures good venting of any bubbles formed from hydrogen peroxide additives, and eliminates potential slurry dry-out.

## Less Handling, More Cleanliness and Safety

The convenient disposable design minimizes exposures to the slurry and reduces slurry waste. Solaris NMB filters are available with our Connectology® design for fast filter changeouts and increased cleanliness during the filter installation.

## APPLICATIONS

- Industry: Semiconductor
- Process: CMP
- Chemistry: Slurry
- Installation Point: Point-of-Tool



*Reduce critical large particle counts in various applications.*

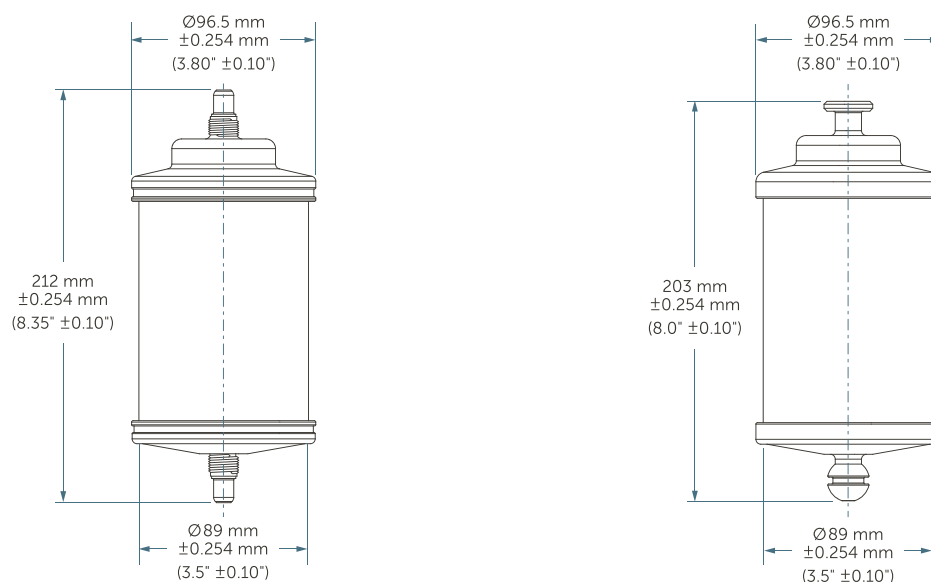
## FEATURES & BENEFITS

<b>Nanofiber continuous melt-blown (NMB) media</b>	Provides superior agglomerate and gel removal efficiency
	Has better particle-holding capacity, prolonging filter life over traditional media
<b>Low pressure drop</b>	No extra pressure cost when upgrading to the tighter port filter
<b>Low hold-up volume</b>	Reduces waste and setup time
<b>Self-venting filtration</b>	Eliminates dead space and potential for slurry dry-out in the filtration media
<b>Disposable Connectology design</b>	Allows for quick installation, eliminates downtimes, and limits operator handling of hazardous chemicals during installation

## SPECIFICATIONS

<b>Materials</b>	Media	Melt-blown polypropylene
	O-ring (inner cartridge)	Ethylene polypropylene rubber (EPR)
<b>Operating Conditions</b>	50 psi @ 20°C (68°F)	

## DIMENSIONS



## ORDERING INFORMATION

PART NUMBER	RETENTION RATING	CONNECTION
SNB0153E1F	0.1 µm	3/8" Flaretek®
SNB015CE1F	0.1 µm	Connectology®
SNB0253E1F	0.2 µm	3/8" Flaretek®
SNB025CE1F	0.2 µm	Connectology®
SNB0553E1F	0.5 µm	3/8" Flaretek®
SNB055CE1F	0.5 µm	Connectology®
SNB0753E1F	0.7 µm	3/8" Flaretek®
SNB075CE1F	0.7 µm	Connectology®
SNB1053E1F	1 µm	3/8" Flaretek®
SNB105CE1F	1 µm	Connectology®
SNB3053E1F	3.0 µm	3/8" Flaretek®

## ORDERING INFORMATION

PART NUMBER	RETENTION RATING	CONNECTION
SNB305CE1F	3.0 µm	Connectology®
SNB5053E1F	5.0 µm	3/8" Flaretek®
SNB505CE1F	5.0 µm	Connectology®
SNBA3B53E1F	0.03 µm Bulk	3/8" Flaretek®
SNBA3B5CE1F	0.03 µm Bulk	Connectology®
SNBA3D53E1F	0.03 µm Diluted	3/8" Flaretek®
SNBA3D5CE1F	0.03 µm Diluted	Connectology®
SNBA553E1F	0.05 µm	3/8" Flaretek®
SNBA55CE1F	0.05 µm	Connectology®
SNBA753E1F	0.07 µm	3/8" Flaretek®
SNBA75CE1F	0.07 µm	Connectology®

## FOR MORE INFORMATION

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