



## PLANARCAP® LPX DISPOSABLE FILTERS

*Point-of-use disposable filters for  
silica, alumina and ceria slurries*

### Overview

Developed from the Mykrolis® family of liquid microcontamination control technologies, Planarcap® disposable filters are constructed of pleated polypropylene depth media. The LPX series is specifically designed to meet the challenges of silica and alumina abrasives typically used for oxide CMP and copper CMP applications.

#### Application Focus

Entegris' extensive application knowledge of the CMP process and focused product development enabled the development of application-specific solutions to CMP filtration challenges.

#### Performance and Lifetime

Planarcap filters retain defect-causing particles by means of a multi-stage, graded-density design. Its pleated design provides a longer lifetime and improved flow, critical in low pressure applications such as in CMP.



#### Superior Manufacturing

- Manufactured in a world-class, ISO 9001 Quality Systems Standard facility
- Manufactured, tested and packaged in a cleanroom to ensure product cleanliness

### Features and Benefits

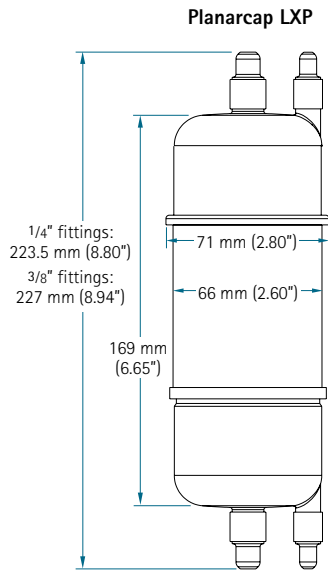
Features	Benefits
Pleated depth filter design	Pleat design provides customers with superior lifetime and flow
High-retention disposables	Provides a reduction in micro-scratches and total defects
Focused application development	Designed specifically for alumina and silica abrasives containing slurries
	Optimized to remove defect-causing particles, while maintaining a low pressure drop and higher lifetime over existing products

### Specifications

Materials:	Medium	Pleated depth polypropylene
	Core, cage and shell	Polypropylene
Connections:	Inlet/outlet	3/8" or 1/4" Flaretek® fitting
	Vent/drain	1/4" Flaretek fitting*
Maximum operating conditions:	Maximum operating pressure	0.27 MPa (2.7 bar, 40 PSI) @ 25°C
	Maximum forward/reverse differential pressure	0.27 MPa (2.7 bar, 40 PSID) @ 20°C
	Maximum operating temperature	40°C (104°F)

\*Part number SKNP 010 L2F is available with 1/8" MNPT vent/drain.

## Dimensions



## Ordering Information

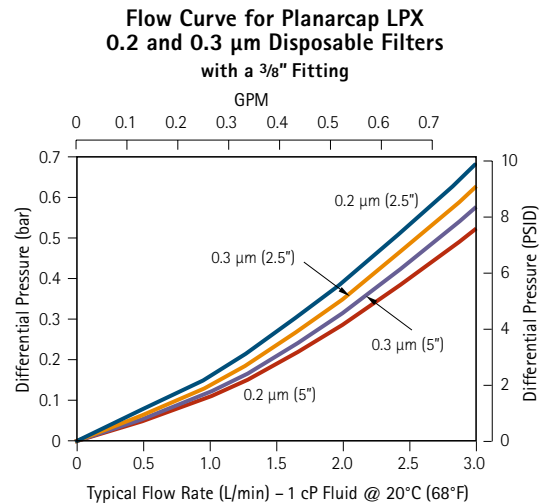
### Planarcap LPX Disposable Filters

Part Number	Retention Rating	Inlet/Outlet Fittings	Vent/Drain Fittings
PCA 100 LF1	1.0 $\mu\text{m}$	1/4" flare	1/4" flare
PCA 103 LF1	1.0 $\mu\text{m}$	3/8" flare	1/4" flare
PCA 203 LF1	2.0 $\mu\text{m}$	3/8" flare	1/4" flare
PCA 303 LF1	3.0 $\mu\text{m}$	3/8" flare	1/4" flare
PCA 503 LF1	5.0 $\mu\text{m}$	3/8" flare	1/4" flare
SKNP 010 L2F	1.0 $\mu\text{m}$	1/4" flare	1/8" MNPT

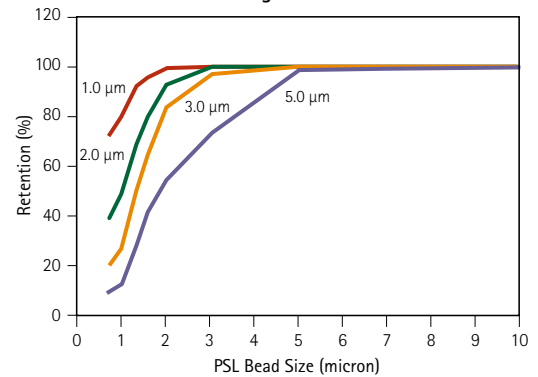
## For More Information

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



### Retention Curve for Planarcap LPX 1.0, 2.0, 3.0 and 5.0 $\mu\text{m}$ Disposable Filters Using PSL Beads



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