



**PLANARGARD® CS BULK AND
POINT-OF-USE CARTRIDGE FILTERS**

*Designed to meet the needs of
next generation copper and ILD slurries*



high retention graded-density filter technology

Overview

The Planargard® CS filter relies on a graded-density depth filter design that enables it to retain defect-causing agglomerates in each of its layers. This design provides excellent retention of agglomerates while allowing desired slurry particles to reach the surface of the wafer. Because particles are retained throughout the filter matrix rather than on a single surface, the potential for premature filter “plugging” is greatly reduced.

Performance

Planargard filters remove only those particles that are disruptive to the CMP process, not all particles. The particle size distribution of the desired slurry particles does not change after filtration. As a result, consistent slurry is delivered to your process.

Filter Selection

Entegris offers Planargard filter options to match your application filtration objectives. Entegris’ worldwide technical support team stands ready to support you with product recommendations and evaluation assistance.

Certificate of Analysis

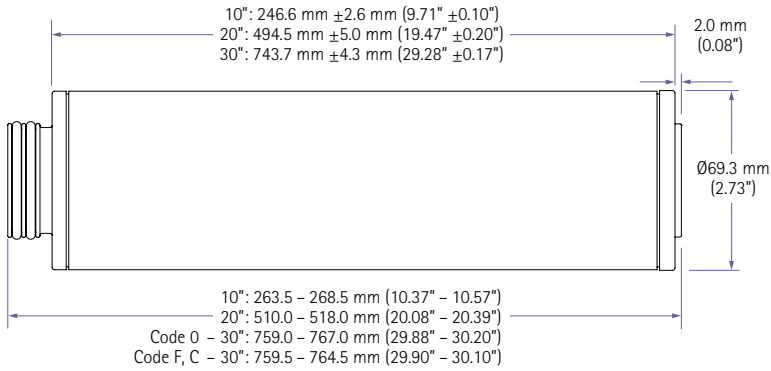
Each filter comes with a Certificate of Analysis. The Certificate of Analysis provides relevant data regarding retention and flow, and insures that the cartridges were made with the highest quality.

Features	Benefits
Nonwoven depth media design	Enables filter to retain defect-causing agglomerates with high efficiency
Removes only those particles that are disruptive	The particle size distribution of the “working” slurry particles does not change after filtration
Available in a range of retention ratings from 1.0, 0.5, 0.3 and 0.2 µm	Designed to meet the needs for bulk and point-of-use filtration of CMP slurries
Available in a range of sizes from 10," 20" and 30"	

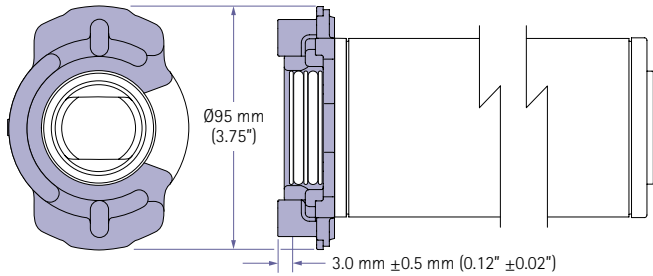
Specifications

Materials:	Filter element	All-polypropylene construction
	Cartridge o-ring	EPR, 2-222 (Code 0)
	Cartridge DOE	Code F, Code C
Maximum operating conditions:	Maximum forward differential pressure	0.48 MPa (4.8 bar, 70 psi) @ 25°C

Dimensions

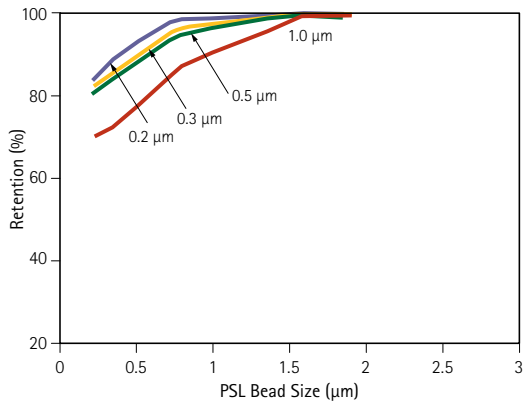


End View of PFA Chemlock® Key on Cartridge

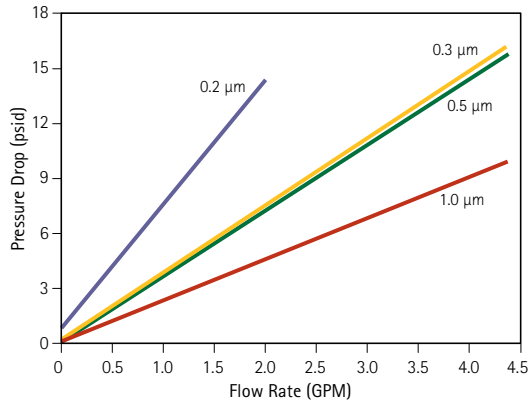


Performance Data

**Retention of Planargard CS
Using Poly Disperse PSL Beads**



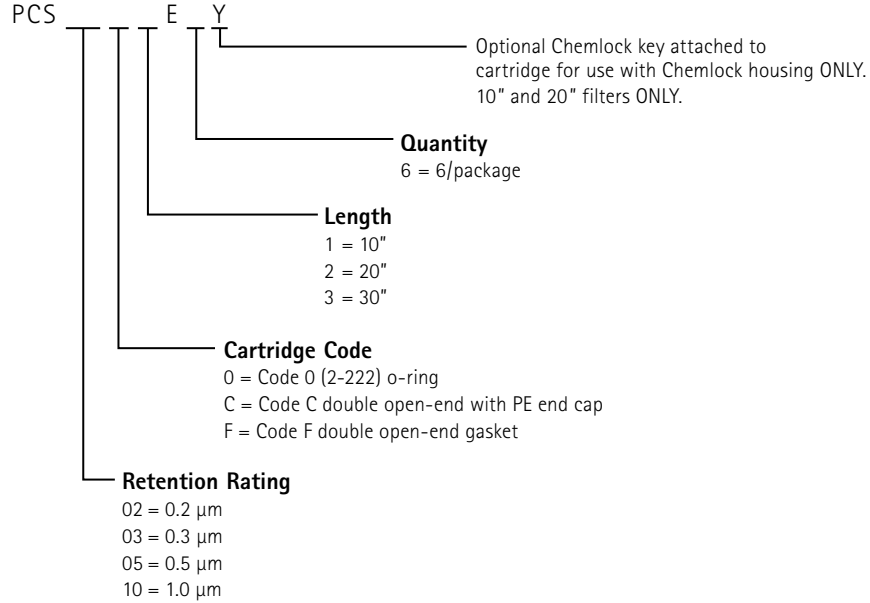
**Pressure Drop for Planargard CS
Tested in DI Water**



Ordering Information

Planargard CS Cartridge Filters

Part Number



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.

Terms and Conditions of Sale

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