

Planargard[®] APR Bulk CMP Filters

*Next generation slurry filters for large
and fine particle reduction*

Entegris' extensive CMP process knowledge and product innovation focus enabled the development of Planargard[®] APR CMP slurry filters to address the reduction of both large and fine particles in slurries for advanced node processes. With patented, multilayer depth-type media, Planargard APR (advance particle reduction) filters can effectively reduce most large abrasive and slurry agglomerates, and minimize inadequate post-CMP cleans.

APR Technology

APR technology addresses the need for superior particle reduction to increase yield in advanced node slurries. This technology combines a polymeric and non-polymeric media (patented) that enables high retention of large particles without sacrificing filter life. The additional absorption ability of the media can remove fine particles and minimize post-CMP cleans, which are often inefficient. APR filters are also protected by our proven Chemlock[®] housing that ensures cleanliness, minimizes required space, and enables fast and easy installation.

To meet all your CMP application needs, our product portfolio includes 10" to 40" cartridge lengths.

APPLICATIONS

- Bulk CMP slurry filtration
- Point-of-use (POU) slurry filtration



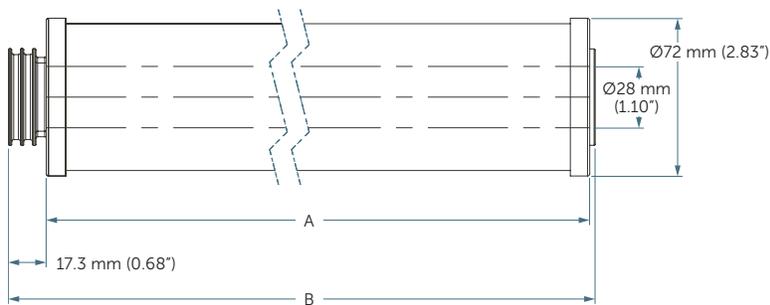
FEATURES & BENEFITS

Patented, multilayer media	Provides high retention, helping to reduce wafer defects and improve yield
Media design absorbs fine particles	Minimizes inefficient post-CMP clean, increasing overall COO
Uses Chemlock housing	Provides space saving, clean, easy installation

SPECIFICATIONS

Materials	Membrane	Patented polymeric/non-polymeric media combination
	Core	Polypropylene
	Cartridge O-ring	EPR, FKM, silicone, 2-222
	Gasket	EPR, FKM
Product type	Depth Filter	
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



Length	A	B
10"	246 mm ± 3 mm (9.68" ± 0.12 ")	266 mm ± 3 mm (10.47" ± 0.12 ")
20"	496 mm ± 4 mm (19.53" ± 0.16 ")	516 mm ± 4 mm (20.31" ± 0.16 ")
30"	746 mm ± 6 mm (29.37" ± 0.23 ")	766 mm ± 6 mm (30.16" ± 0.23 ")
40"	996 mm ± 6 mm (39.21" ± 0.23 ")	1016 mm ± 6 mm (40.00" ± 0.23 ")

