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

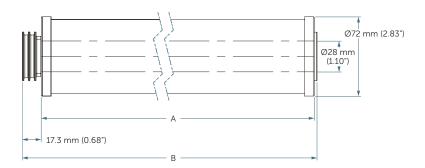
Patented, multilayer media	Provides high retention, helping to reduce wafer defects and improve yield
Media design absorbs fine particles	Minimizes inefficient post-CMP clean, increasing overall COO
Uses Chemlock housing	Provides space saving, clean, easy installation



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)		

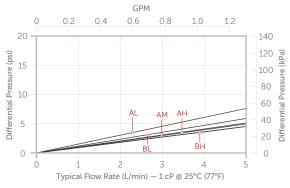
DIMENSIONS



Length	Α	В
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")

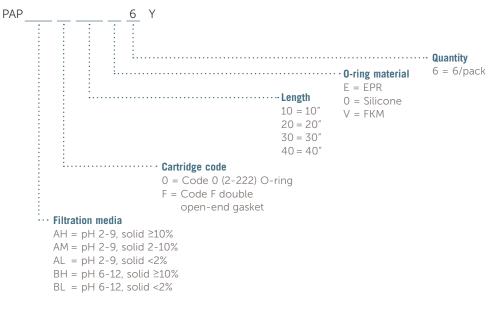
PERFORMANCE DATA

Planargard APR 10" Cartridge Filters



ORDERING INFORMATION

Planargard APR Bulk CMP Filters: part number



FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit <u>entegris.com</u> and select the <u>Contact Us</u> link to find the customer service center nearest you.

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