

# Planarcap<sup>®</sup> APR Filter

*Next generation, point-of-dispense, CMP slurry filters for large and fine particle reduction*

The Planarcap<sup>®</sup> APR (advanced particle reduction) CMP slurry filter is the solution to address both large and fine particle reduction for advance node slurry. With a patented multilayer media combination, APR technology can effectively reduce most large abrasive and slurry agglomerates.

## APR Technology

APR technology contains a patented polymeric and non-polymeric media combination that has high retention ability to reduce large particles without sacrificing filter life. The additional absorption ability can remove fine particles and mitigate inadequate post-CMP cleans. Planarcap APR filters can be installed at final slurry dispense just before slurry contacts the wafer. APR technology is the best solution for advanced node slurries that require supreme particle reduction to enable yield.

## APPLICATIONS

- Point-of-dispense, CMP slurry processes

## FEATURES & BENEFITS

<b>Patented multi-media combination</b>	High retention reduces wafer scratch defects, improving yield
<b>APR technology</b>	Absorbs fine particles, enhancing post-CMP clean efficiency
<b>Point-of-dispense design</b>	Installed right before slurry dispense, provides optimal slurry filtration prior to slurry dispense onto the wafer



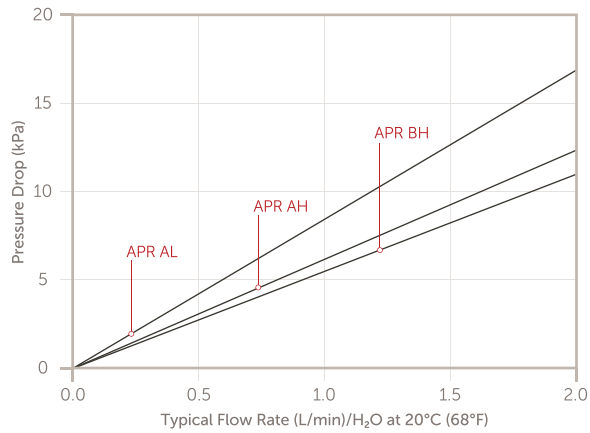
*Supreme particle reduction for advanced node slurries.*

## SPECIFICATIONS

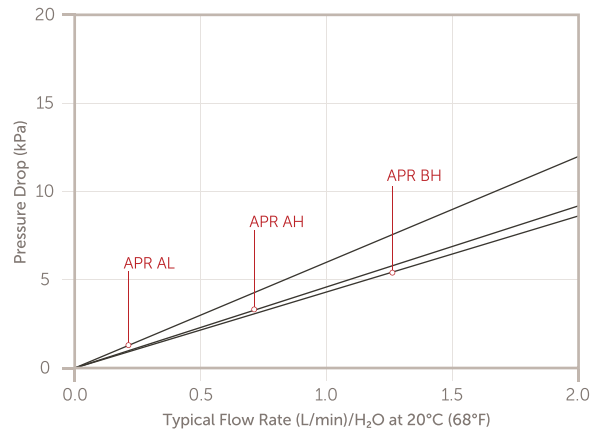
<b>Materials of construction</b>	Media	Patented polymeric and non-polymeric media combination
	Core, sleeve, shell	Polypropylene
<b>Product type</b>	Depth filter	
<b>Length</b>	2.5", 5"	
<b>Fitting connection</b>	Inlet/outlet	3/8" or 1/4" Flaretek® fitting
	Vent/drain	1/4" Flaretek fitting or 1/8" MNPT
<b>Maximum operating conditions</b>	Maximum forward differential pressure	0.4 MPa (4.0 bar, 58 psi) @ 25°C (77°F)
	Maximum operating temperature	60°C (140°F)

## PERFORMANCE DATA

Planarcap® APR 2.5" Filters (Ø89 mm)

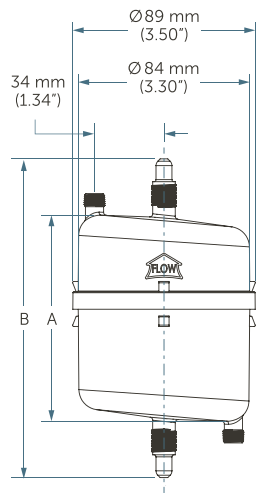


Planarcap® APR 5" Filters (Ø89 mm)

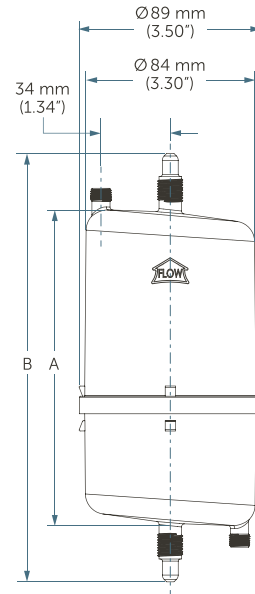


## DIMENSIONS

2.5" Disposable, Ø89 mm



5" Disposable, Ø89 mm



	2.5"		5"	
	A	B	A	B
1/4" Flaretek®	98 mm (3.86")	152 mm (5.98")	153 mm (6.02")	208 mm (8.19")
3/8" Flaretek	98 mm (3.86")	152 mm (5.92")	153 mm (6.02")	208 mm (8.19")

## ORDERING INFORMATION

PART NUMBER	FILTRATION MEDIA	INLET/OUTLET	LENGTH	VENT/DRAIN
PCPAH0L2FH	pH 2-9, solid 10%	1/4" Flaretek®	5"	1/8" MNPT
PCPAH0LF1H	pH 2-9, solid 10%	1/4" Flaretek®	5"	1/4" Flaretek®
PCPAH0S2FH	pH 2-9, solid 10%	1/4" Flaretek®	2.5"	1/8" MNPT
PCPAH0SF1H	pH 2-9, solid 10%	1/4" Flaretek®	2.5"	1/4" Flaretek®
PCPAH3LF1H	pH 2-9, solid 10%	3/8" Flaretek®	5"	1/4" Flaretek®
PCPAH3SF1H	pH 2-9, solid 10%	3/8" Flaretek®	2.5"	1/4" Flaretek®
PCPAL0L2FH	pH 2-9, solid <2%	1/4" Flaretek®	5"	1/8" MNPT
PCPAL0LF1H	pH 2-9, solid <2%	1/4" Flaretek®	5"	1/4" Flaretek®
PCPAL0S2FH	pH 2-9, solid <2%	1/4" Flaretek®	2.5"	1/8" MNPT
PCPAL0SF1H	pH 2-9, solid <2%	1/4" Flaretek®	2.5"	1/4" Flaretek®

## ORDERING INFORMATION

PART NUMBER	FILTRATION MEDIA	INLET/OUTLET	LENGTH	VENT/DRAIN
PCPAL3LF1H	pH 2-9, solid <2%	3/8" Flaretek®	5"	1/4" Flaretek®
PCPAL3SF1H	pH 2-9, solid <2%	3/8" Flaretek®	2.5"	1/4" Flaretek®
PCPBH0L2FH	pH 6-12, solid 10%	1/4" Flaretek®	5"	1/8" MNPT
PCPBH0LF1H	pH 6-12, solid 10%	1/4" Flaretek®	5"	1/4" Flaretek®
PCPBH0S2FH	pH 6-12, solid 10%	1/4" Flaretek®	2.5"	1/8" MNPT
PCPBH0SF1H	pH 6-12, solid 10%	1/4" Flaretek®	2.5"	1/4" Flaretek®
PCPBH3LF1H	pH 6-12, solid 10%	3/8" Flaretek®	5"	1/4" Flaretek®
PCPBH3SF1H	pH 6-12, solid 10%	3/8" Flaretek®	2.5"	1/4" Flaretek®

### FOR MORE INFORMATION

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