

Planarcap[®] NMB Filter

Ultra-high particle loading capacity, superior hard particle removal capabilities, and gel retention performance

Planarcap[®] NMB filters offer an innovative solution for best-in-class, point-of-dispense slurry filtration with ultra-high particle loading capacity in sub-45 nm technology nodes. The advanced nanofiber continuous melt-blown (NMB) media technology enables superior hard particle removal and gel retention performance in CMP processes, reducing microscratches and extending filter lifetime. Planarcap NMB filters can be strategically installed at the final dispense point just before the slurry makes contact with the wafer.

APPLICATIONS

- Chemical mechanical planarization (CMP) processes

FEATURES & BENEFITS

Nanofiber continuous melt-blown media technology	Enables superior agglomerate and gel removal
	Reduces microscratches
	Extends filter lifetime
Point-of-dispense design	Provides best-in-class slurry filtration prior to slurry dispense onto the wafer



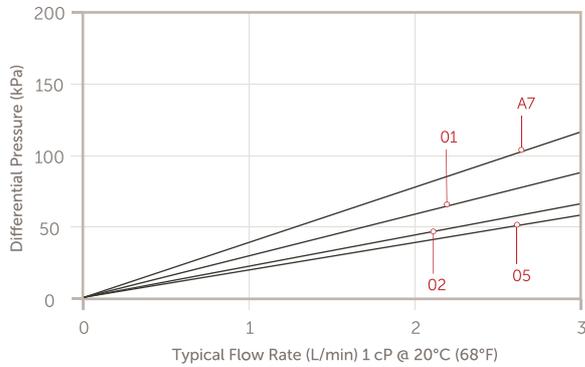
Available in 73 mm or 89 mm outside diameters, and 5" or 2.5" lengths.

SPECIFICATIONS

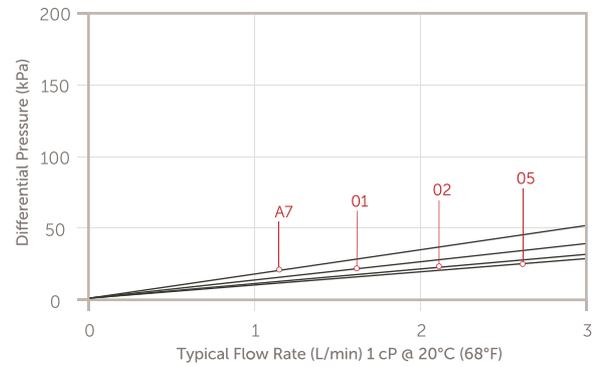
Materials of construction	Membrane, sleeve, core, shell	Polypropylene
Retention rating	Ø73 mm	A7, 01, 02, 05
	Ø89 mm	A5, A7, 01, 02, 05, 07, 10, 30, 50
Fitting connection	Inlet/outlet	3/8" or 1/4" Flaretek® fitting
	Vent/drain	1/4" Flaretek fitting or 1/8" MNPT
Maximum operating conditions	Maximum forward differential pressure	0.4 MPa @ 25°C (77°F)
	Maximum reverse pressure	0.2 MPa @ 25°C (77°F)
	Maximum operating temperature	60°C (140°F)

PERFORMANCE DATA

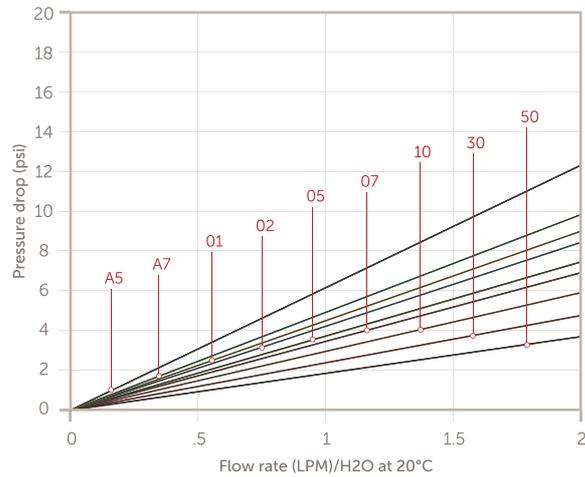
Planarcap NMB 2.5" Disposable Filters with 1/4" Inlet/Outlet Fitting (Ø73 mm)



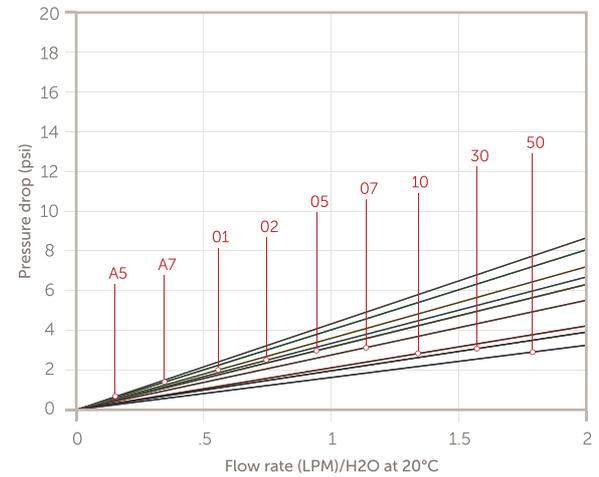
Planarcap NMB 5" Disposable Filters with 1/4" Inlet/Outlet Fitting (Ø73 mm)



Planarcap NMB 2.5" Disposable Filters with 1/4" Inlet/Outlet Fitting (Ø89 mm)

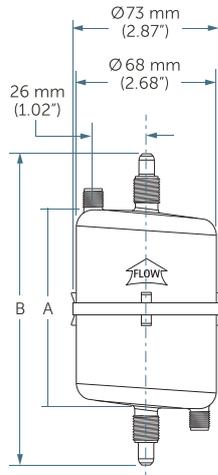


Planarcap NMB 5" Disposable Filters with 1/4" Inlet/Outlet Fitting (Ø89 mm)

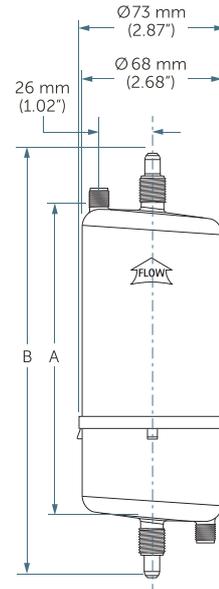


DIMENSIONS

2.5" Disposable, Ø73 mm

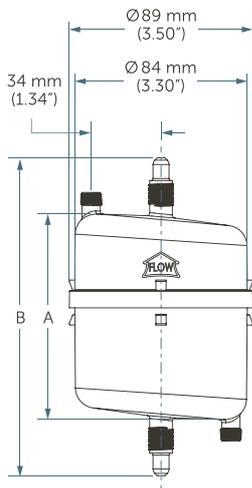


5" Disposable, Ø73 mm

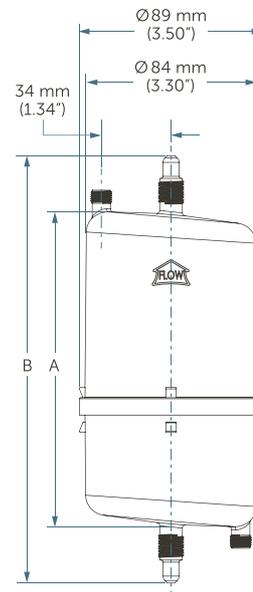


Ø73 mm	2.5"		5"	
	A	B	A	B
1/4" Flaretek	98 mm (3.86")	152 mm (5.98")	153 mm (6.02")	208 mm (8.19")
3/8" Flaretek	98 mm (3.86")	152 mm (5.92")	153 mm (6.02")	208 mm (8.19")

2.5" Disposable, Ø89 mm



5" Disposable, Ø89 mm

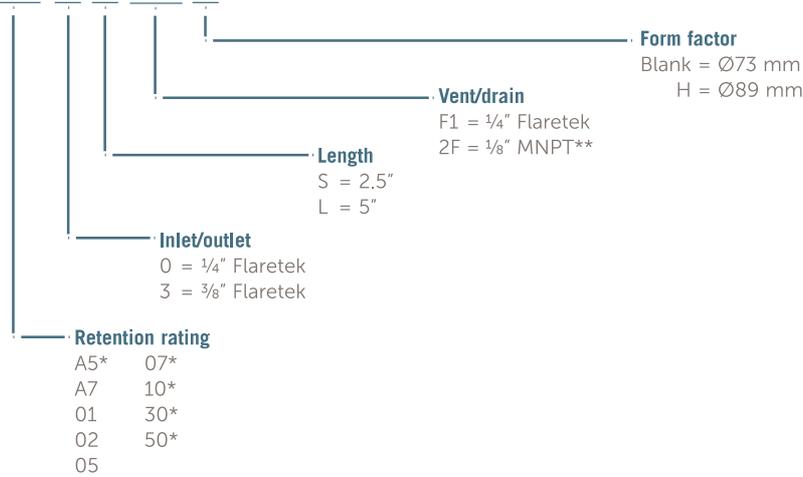


Ø89 mm	2.5"		5"	
	A	B	A	B
1/4" Flaretek	98 mm (3.86")	152 mm (5.98")	153 mm (6.02")	206 mm (8.11")
3/8" Flaretek	98 mm (3.86")	152 mm (5.98")	153 mm (6.02")	206 mm (8.11")

ORDERING INFORMATION

Planarcap NMB Point-of-Dispense CMP Filter: part number

P C B



*Ø89 mm only

**1/4" Flaretek inlet/outlet only

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit entegris.com and select the [Contact Us](#) link to find the customer service center nearest you.

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