POLICAP POINT-OF-USE(POU) COMPACT CMP CAPSULES

Membrane Solutions PoliCap point-of-use(POU) capsule is specially designed for advanced CMP application in space-limited situation. The feature of all polypropylene construction, compact design and completely disposable result in low cost and easy change-out. In terms of performance, contained melt-blown or depth-pleated filter media can effectively intercept defect-causing particles and gels in CMP slurry while retaining valid abrasive and keeping particle size distribution(PSD) unchanged. The unique construction of filter media ensures relatively low differential pressure, excellent removal efficiency and long service life.



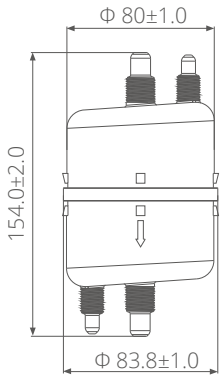
- All-polypropylene construction for low cost.
- Hot melt welding with O-ring free.
- Disposable design for easy change-outs and minimizes exposures to the slurries.
- Available in different lengths and diameters, meeting various installation requirements.
- Available for depth or depth-pleated filter media, meeting a variety of application requirements.
- Low pressure drop and excellent removal efficiency.

SPECIFICATIONS

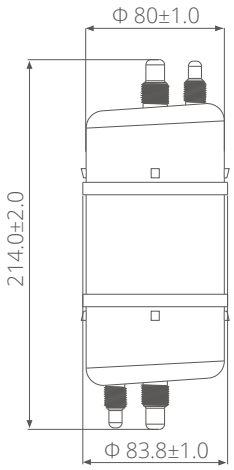
Materials	Filter Layers/Support	Polypropylene
	Cage/Core/End Cap	Polypropylene
Removal Rating	Depth Type: 0.1μm, 0.2μm, 0.3μm, 0.5μm, 0.7μm, 1.0μm	
	Pleated Type: 1.5μm, 3.0μm, 5.0μm	
Dimensions	Outer Diameter	Depth Type: 83.8mm Pleated Type: 71mm
	Inner Filter Diameter	Depth Type: 69mm Pleated Type: 56mm
	Lengths	2.5inch，5inch
Max. Operating Conditions	Max. Operating Pressure	0.5 MPa (73 psi) @ 25 ˚C (77 ˚F)
	Max. Forward Differential Pressure	0.5 MPa (75 psi) @ 25 ˚C (77 ˚F) 0.19 MPa (27 psi) @ 82˚C (179 ˚F)
	Max. Reverse Differential Pressure	0.21 MPa (45 psi) @ 25 ˚C (77 ˚F)
	Max. Operating Temperature	80 ˚C (176 ˚F)

DIMENSIONS

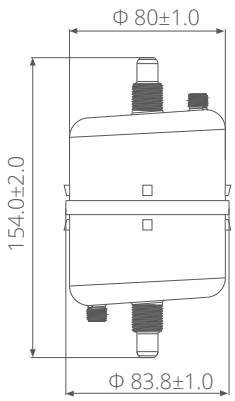
Depth Type	I/O 3/8" Flaretek
2.5"	V/D 1/4" Flaretek



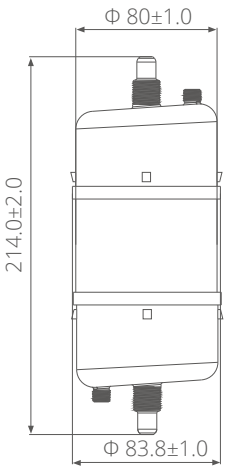
Depth Type	I/O 3/8" Flaretek
5"	V/D 1/4" Flaretek



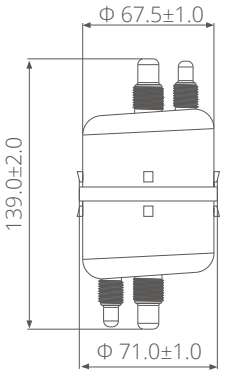
Depth Type	I/O 3/8" Flaretek
2.5"	V/D 1/1/8" NPT



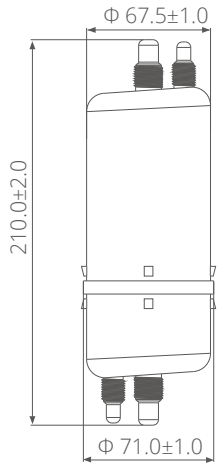
Depth Type	I/O 3/8" Flaretek
5"	V/D 1/8" NPT



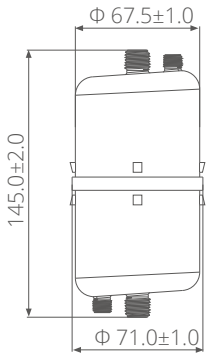
Pleated Type	I/O 3/8" Flaretek
2.5"	V/D 1/4" Flaretek



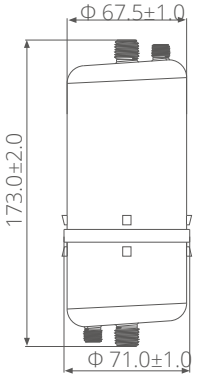
Pleated Type	I/O 3/8" Flaretek
5"	V/D 1/4" Flaretek



Pleated Type I/O 1/4" NPT
2.5" V/D 1/8" NPT

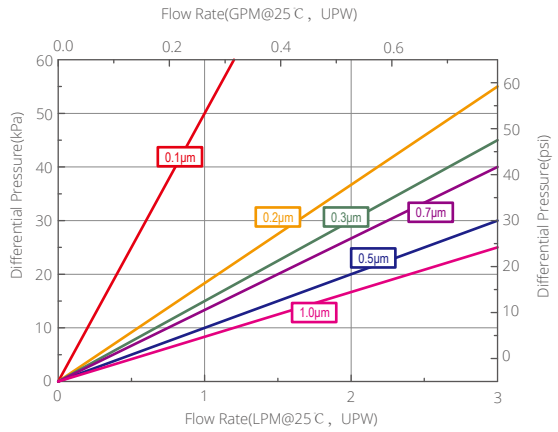


Pleated Type I/O 1/4" NPT
5" V/D 1/8" NPT

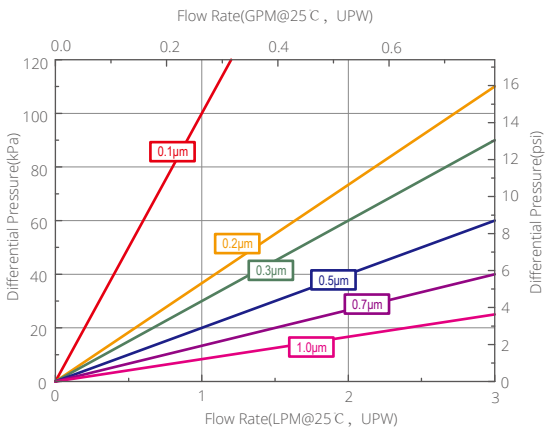


FLOW RATE VS. DIFFERENTIAL PRESSURE PERFORMANCE

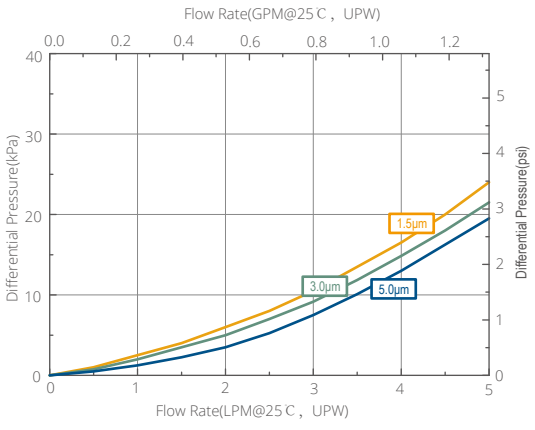
PoliCap Capsule L=214.0mm with depth filter



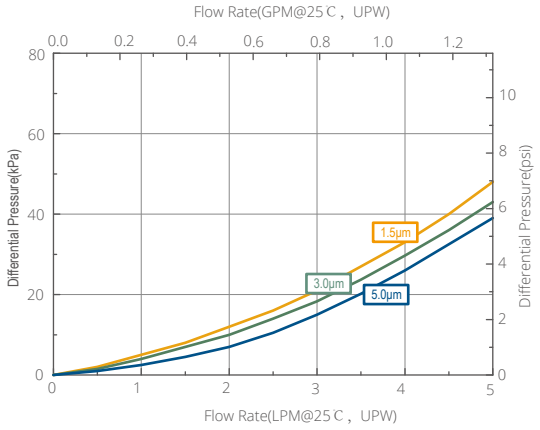
PoliCap Capsule L=154.0mm with depth filter



PoliCap Capsule L=210.0mm with depth filter

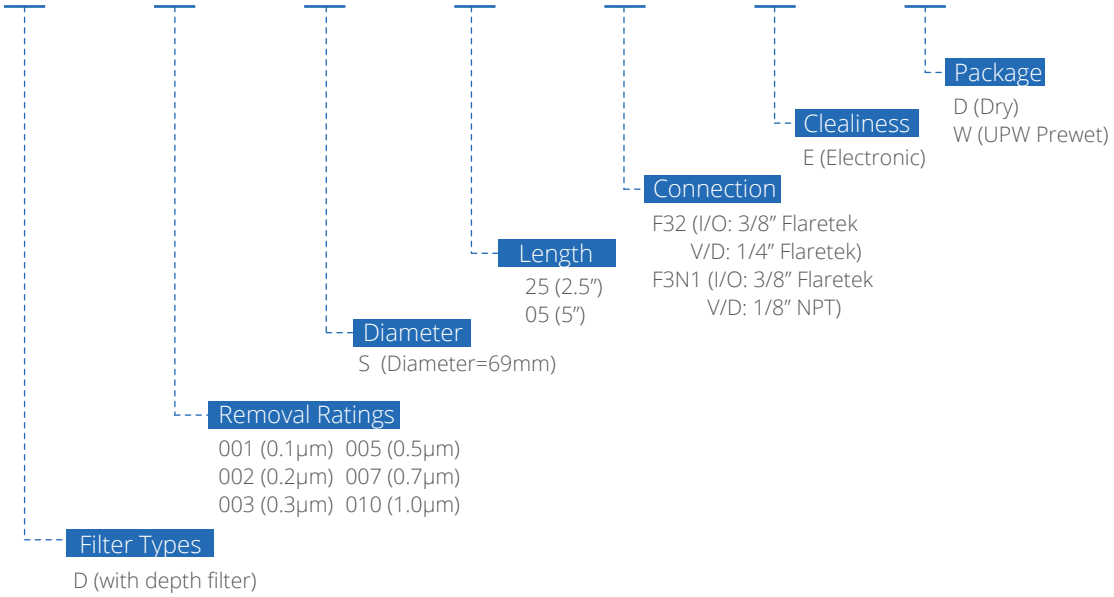


PoliCap Capsule L=139.0mm with depth filter



ORDERING INFORMATION

PCN



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