CMPRO-D SERIES POLYPROPYLEN DEPTH FILTER FOR ADVANCED CMP APPLICATION

Membrane Solutions CMPro-D series depth filter has been developed to effectively remove agglomerated particles and gels in all kinds of chemical mechanical polishing(CMP) slurry, while keeping valid abrasive remained and particle distribution unchanged. Unique 3D composite structure has been utilized to manufacture graded depth polypropylene medium with tapered pores. The outer section(upstream) is consisted of continuous melt blown media that maximize contaminant holding capacity, contributes to long service life and effectively lower cost. The inner section(downstream) is consisted of nano fiber wrapped media that provide excellent removal efficiency and reliable filtration.

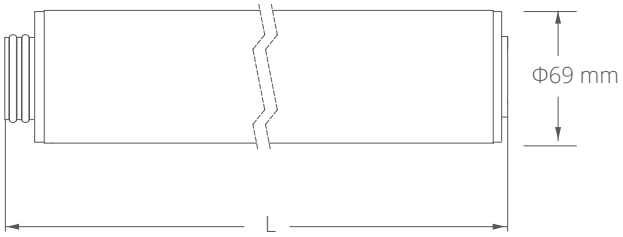


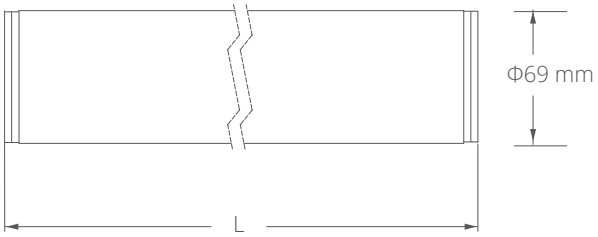
- The large gradient design can ensure filtration efficiency and maximize service life of the filter.
- The ultra-fine fiber of the inner layer provides excellent retention of defect-causing particles while allowing desired abrasives to pass through.
- Longer service life can effectively lower the cost.
- All polypropylene construction, using no surfactants or binders to ensure low level of precipitation.

SPECIFICATIONS

Materials	Filter Layers/Support	Polypropylene
	Core/End Cap	Polypropylene
	O-ring	
Removal Rating	70nm, 0.1μm, 0.2μm, 0.3μm, 0.5μm, 0.7μm, 1.0μm	
Dimensions	Outer Diameter	69mm
	Lengths	10inch, 20inch
Max. Operating Conditions	Max. Forward Differential Pressure	0.52 MPa (75 psi) @ 25 ˚C (77 ˚F) 0.19 MPa (27 psi) @ 82 ˚C (179 ˚F)
	Max. Reverse Differential Pressure	0.21 MPa (30 psi) @ 25 ˚C (77 ˚F)
	Max. Operating Temperature	80 ˚C (176 ˚F)

DIMENSIONS





Code N Filters

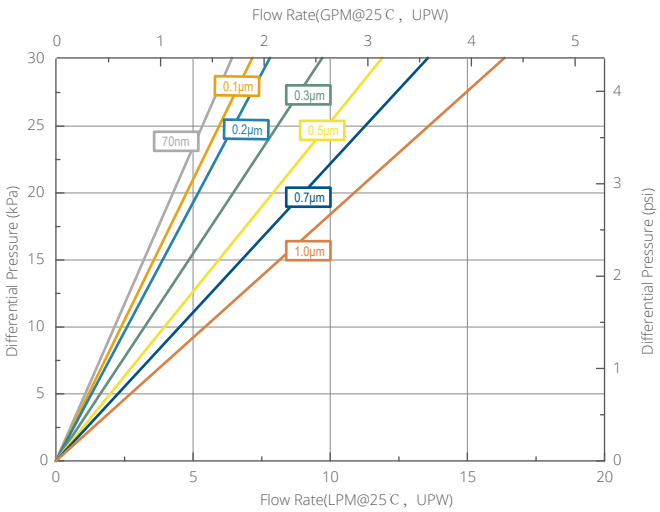
Nominal Size	L
10″	264±1mm
20″	512±1mm

Code F Filters

Nominal Size	L
10″	254±2mm
20″	508±2mm

FLOW RATE VS. DIFFERENTIAL PRESSURE PERFORMANCE

CMPro-D 10" Cartridge Filters



ORDERING INFORMATION

CMPD

