CMPRO-P SERIES POLYPROPYLENE MEMBRANE PLEATED DEPTH FILTER

Membrane Solutions CMPro-P series filter consists of pleated multi-layer graded polypropylene (PP) membrane and all PP skeleton. The series is ideally suited for the removal of agglomerated particles and gels in chemical mechanical polishing (CMP) slurry, especially for oxide, tungsten and copper slurries with relatively low solid content. Moreover, the relatively deep and wide pleats of CMPro-P filters greatly improves the filtration area and dirt holding capacity, contributing to ultra-low differential pressure and longer service life.

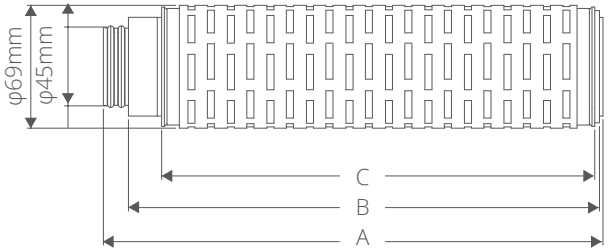


- ◎ Deep and wide pleats contributing to ultra-low differential pressure and longer service life.
- ◎ Large filtration area, combined with continuously tapered pore minimizes shear pressure.
- ◎ Tapered pore structure achieves interception of l arge particles and release of valid abrasives.
- ◎ Manufactured, tested and packaged in a clean room to ensure product cleanliness.
- ◎ Applying hot melt welding technology to ensure no pollution.

SPECIFICATIONS

Materials	Filter Layers/Support	Polypropylene
	Cage/Core/End Cap	Polypropylene
	O-ring	EPDM
Removal Rating	0.8μm, 1.0μm, 1.5μm, 3.0μm, 5.0μm, 10.0μm, 15.0μm	
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)

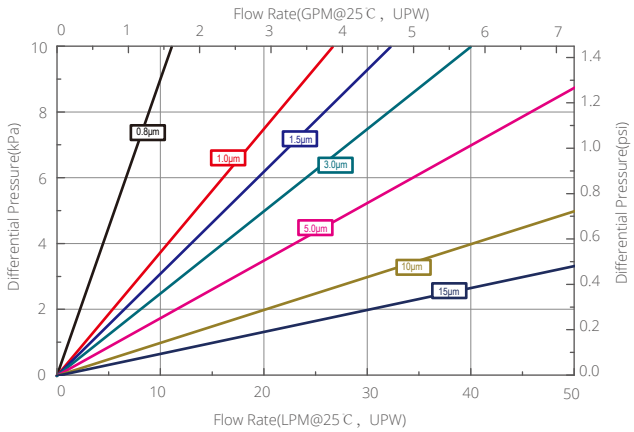
DIMENSIONS



Code F Filters			
Nominal Size	**A**	**B**	**C**
10″	274.0±1mm	257.0±1mm	238.5±1mm

FLOW RATE VS. DIFFERENTIAL PRESSURE PERFORMANCE

CMPro-P 10" Cartridge Filters



ORDERING INFORMATION

CMPP

- **Removal Ratings**
  - 008 (0.8μm)
  - 010 (1.0μm)
  - 015 (1.5μm)
  - 030 (3.0μm)
  - 050 (5.0μm)
  - 100 (10μm)
  - 150 (15μm)
- **End Cap**
  - N (222 Flat)
  - F (Double open-end gasket)
- **Diameter**
  - S (Diamater=69mm)
- **Length**
  - 10 (10″)
  - 20 (20″)
- **O-ring**
  - P (EPDM)
- **Clealiness**
  - E (Electronic)
- **Package**
  - D (Dry)
  - W (UPW Prewet)