CMPure CMPD Series
Filter Cartridges

**Description**

The CMPure CMPD advanced melt blown depth cartridges are specifically optimized for CMP slurry systems resulting in highly consistent and repeatable filter performance. CMPD filters feature our proprietary CoLD fiber melt blowing technology, which integrates Co-Located Large Diameter fibers within the fine fiber matrix to produce a rigid structural network to the cartridge. As a result, CMPD filters provide outstanding structural strength, resistance to contaminant unloading and exceptionally long service life.

- All polypropylene construction
- Continuous gradient pore structure for built-in prefiltration
- Compatible with metal (W, Cu, Al), oxide and STI slurries
- Available also as disposable filter

**Specifications**

**Materials**
- Medium: Polypropylene
- Core, cage and end caps: Polypropylene
- O-ring option: EPDM, Fluorocarbon elastomer

**Removal Ratings**
- 0.5 µm, 2 µm, 5 µm, 10 µm, 15 µm, 20 µm, 30 µm and 50 µm

**Configurations**
- Nominal lengths: 4" / 102 mm, 10" / 254 mm, 20" / 508 mm, 30" / 762 mm, 40" / 1016 mm
- Diameter: 2.6" / 66 mm

**Operating Conditions**
- Maximum temperature: 180°F / 82°C
- Maximum differential pressure:
  - 60 psid @ 86°F / 4 bar @ 30°C
  - 30 psid @ 150°F / 2 bar @ 66°C
  - 15 psid @ 180°F / 1 bar @ 82°C
Due to changing formulations and process improvements in CMP, please contact Pall Microelectronics for availability of latest filtration recommendations, including < 0.5 µm depth filters and different length cartridges. These filter cartridges are also available in disposable capsules. See specifications for the Kleen-Change In-Line Filter Capsules.

Unit conversion: 1 bar = 100 kilopascals

For liquids with viscosities differing from water, multiply the pressure drop by the viscosity in centipoise.