

# MS<sup>®</sup> FILTER OF ELECTRONIC INDUSTRY

## ClearPure Cartridge Filter

### Description

MS<sup>®</sup> ClearPure Pleated Filter cartridges are manufactured to special purpose, such as LCD processing and other similar applications. The large diameter with big filter area insures to reduce the amount of filter cartridge and the dimension of housing required. The long service life and high flow rate result in low operational cost and less manpower in many applications. The cartridge has two kinds of configuration.

ClearPure Pleated Filter is large-diameter filter cartridge made by extending the inner and outer diameters achieving highly removal efficiency and remarkable dust holding capacity.



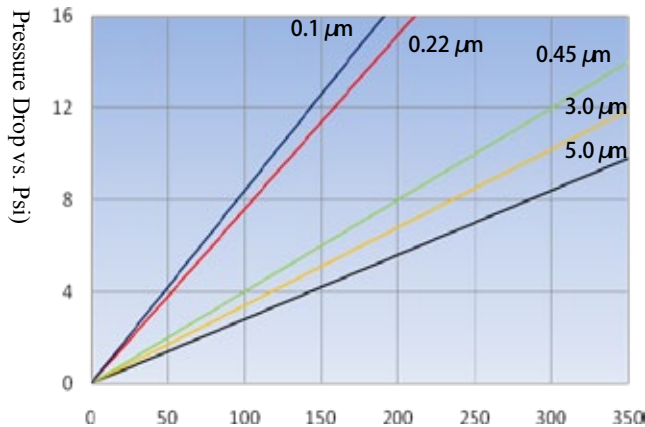
### Applications

- Electronics: DI water and R/O water pre-filtration
- Food and Beverage: Beer, Wine
- General Process: Photo Emulsion
- Electroplating solutions
- Metal etching solutions
- Reagent grade chemicals

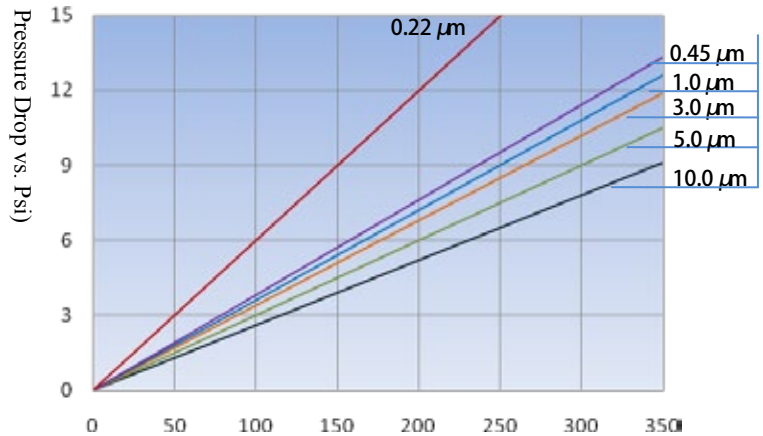
### Features

- High flow rate is available
- Workability of change-outs is improved due to the reduction of filter quantity
- Long service life is available

## Pressure Drop vs. Liquid Flow Rate



Flow rate (L/min) , water at 20°C  
Outside Diameter: 83 mm, PP pleated



Flow rate (L/min) , water at 20°C  
Outside Diameter: 131 mm, PP pleated

Unit conversion: 1bar=100KPa

Flow rate is for a 25.4cm (10inch) cartridge with depth PP material. For liquids other than water, multiply differential pressure by fluid viscosity (cP)

## Specification

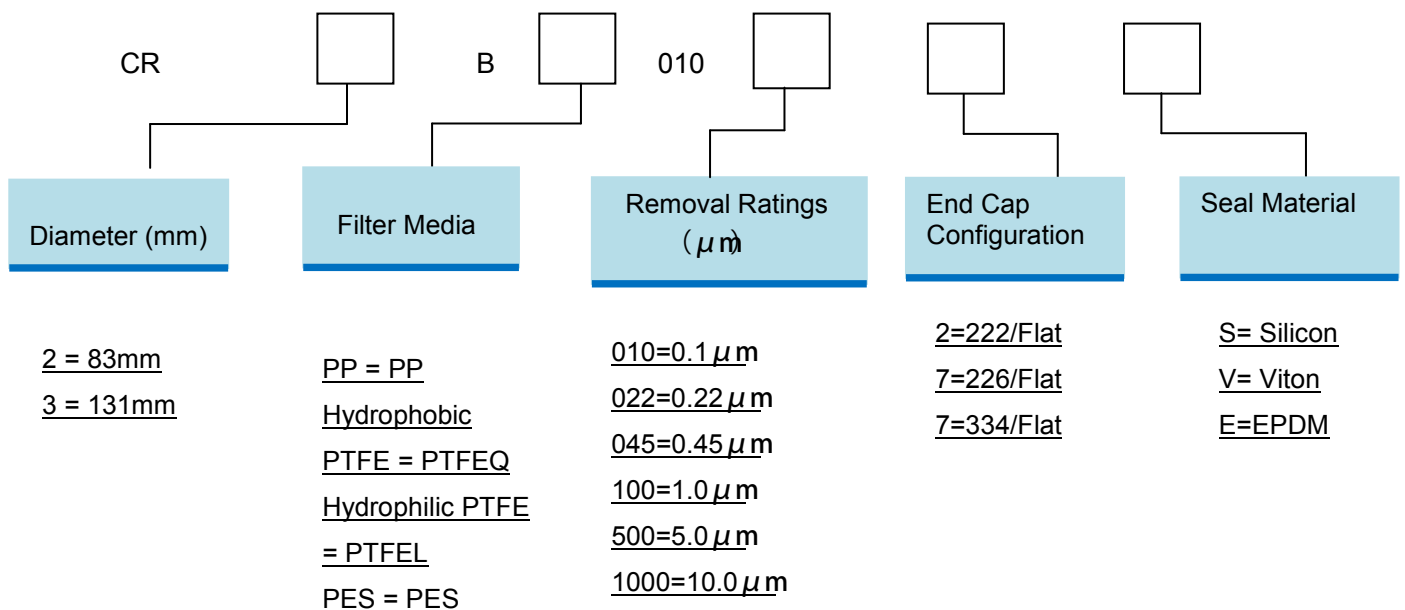
### Materials of Construction:

- Filter Medium: Polypropylene/ PTFE/ PES
- Inner support core: Polypropylene
- Outer protection cage: Polypropylene
- End caps: Polypropylene

### Recommended Operating Conditions:

- Maximum Temperature: 80°C ≤ 2.4Bar (35psid);
- Maximum Pressure: 0.49MPa@ 20 °C

## Ordering Information



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