

## CLEARPORE DEPTH FILTERS FOR INDUSTRIAL AND FOOD & BEVERAGE APPLICATIONS

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ClearPore Depth filter range consists of nominal and absolute rated polypropylene and polyester spun depth filter that ensure particulate removal when liquids contain contamination across a wide size range.

They are made from 100% polypropylene or polyester melt blown fibers that offer both broad chemical compatibility and economic filtration for numerous industrial and process applications.

ClearPore depth filters are manufactured with an internal core as this enables the depth media to be constructed to enable far higher dirt holding capacity to provide the longest possible service life.



### FEATURES AND BENEFITS

- Available in nominal & absolute ratings from 0.5 to 100 micron
- Fibers are thermally bonded without use of binders, adhesives and surfactants.
- Available in lengths from 5" to 50".
- Triple-zone construction creates a graded pore structure that maximizes dirt holding and filter life.
- Media and construction are optimized to prevent unloading of contaminants as pressure differential increases during use.
- NSF 42 Certified.

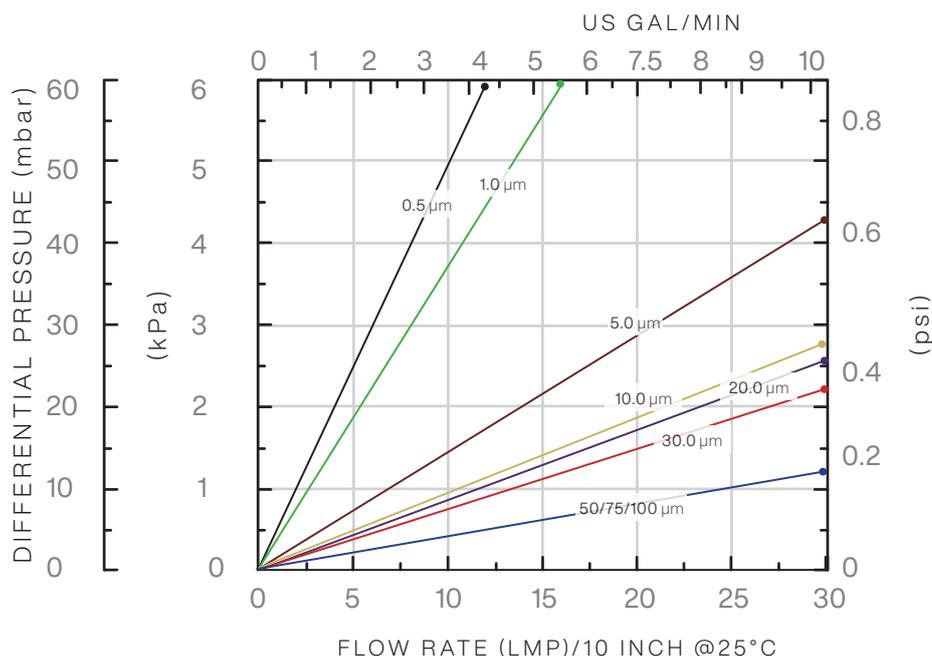


### TYPICAL APPLICATIONS

BULK CHEMICALS  
INDUSTRIAL WATER TREATMENT  
RO PREFILTERS  
WATER FOR INJECTION  
FOOD & BEVERAGE  
COOLING WATER  
PLATING  
DESALINATION  
DRINKING WATER TREATMENT  
OIL & GAS  
PREFILTRATION

## PRESSURE DROP VS. WATER FLOW RATE

For liquids other than water, multiply differential pressure by fluid viscosity (cP)



| DIMENSIONS AND OPERATING PARAMETERS          |   |
|--|---|
| Nominal lengths                              | 9.75", 10", 20", 30", 40"<br>(24.8, 25.4, 50.8, 76.2, 101.6cm)  |
| Outside Diameter                             | 2.5" (63mm)   |
| Inside Diameter                              | 1.1" (28mm) / 4.5" (114mm)  |
| Maximum differential pressure                | 60psid @ 70°F (4.1 Bar @ 30°C)<br>50psid @ 122°F (3.4 Bar @ 50°C)<br>30psid @ 158°F (2 Bar @ 70°C)<br>15psid @ 180°F (1 Bar @ 82°C) |
| Recommended change out differential pressure | 37psid (2.5 Bar) @ 30°C   |

| SPECIFICATIONS |  |
|----------------|--|
| Media          | Polypropylene                            |
| End Cap        | Polypropylene                            |
| Gasket         | Silicone/EPDM                            |
| Micron ratings | 0.5, 1, 3, 5, 10, 20, 30, 50, 75, 100 μm |

### FDA listed Materials

All polypropylene material used in manufacturing complies with the regulations of the Food and Drug Administration (FDA) title 21 of the Code of Federal Sections 174.5, 177.1520, and 177.1630, as applicable for food and beverage contact.

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