

Surface pore structure extends water flow to reduce pressure drop

Absolute ratings from 1 to 100 microns

Thermally bonded end caps and connectors free of any binders

FDA CFR 21 approved material

HYDRONIX DP SERIES DELTA-PLUS CAVITY FILTERS

meet market needs for a pure Polypropylene depth filter with exceptional dirt holding capacity and performance. Delta-Plus cartridges are an outstanding value for industrial applications where long-life, low-pressure drop and high efficiency is required.

HYDRONIX DP SERIES DELTA-PLUS CAVITY FILTERS

have continuous gradient pore structure which increases dust holding capacity. The surface of the cartridge is fiber fortified to prevent the release of micro fibers downstream. Manufactured of 100% pure Polypropylene for a wide range of process fluids.



DP SERIES

Delta-Plus Cavity Filters

Materials of Construction

| | |
|---------------|--|
| Filter Media: | Polypropylene |
| End Cap: | Polypropylene |
| O-Ring: | EPDM, Buna-N, Silicone, Viton, Viton encapsulated PFA |

Displaces

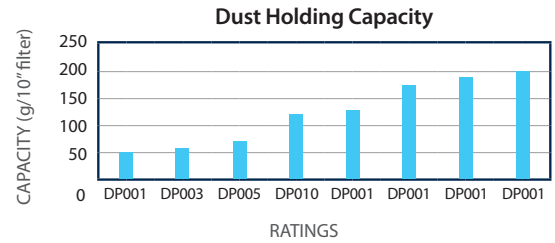
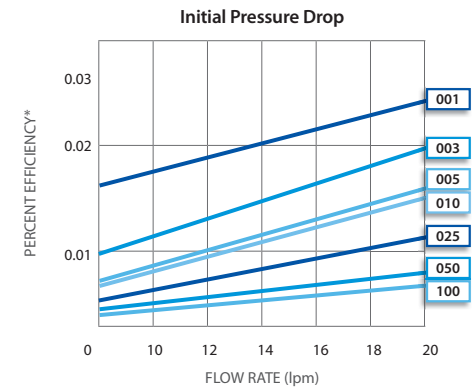
| | | | |
|------------|---------------------------------|------------|------------|
| Pentek: | Polydepth | Cuno: | Deltaklean |
| Millipore: | Planargard | Cuno: | Betapure |
| | Filter | Filterite: | Nexis |
| Millipore: | Polygard-CR | | |
| Pall: | Profile II Filter- RMF Style | | |

Maximum Pressure Drop

| | |
|------------------|--------------------------------|
| 100°F at 80 PSID | 37°C at 5.6 kg/cm ² |
| 150°F at 60 PSID | 65°C at 4.2 kg/cm ² |
| 180°F at 30 PSID | 82°C at 2.1 kg/cm ² |

Operating Data

Recommended Replaceable Pressure Drop: 30 PSID (2.1 kg/cm²)
 Max. Operating Temperature: 180°F (82°C)



| 2.5" DIAMETER SPECIFICATIONS | | | | | |
|------------------------------|-------------|-------------|---------------|-----------------|---------------|
| | Part Number | Description | Micron Rating | O-Ring Material | End Cap Style |
| 10" | DP001SX1000 | 2.5" x 10" | 1 | SILICONE | DOUBLE OPEN |
| | DP001S51000 | 2.5" x 10" | 1 | SILICONE | 222/FIN |
| | DP001SF1000 | 2.5" x 10" | 1 | SILICONE | DOE |
| 20" | DP001SX2000 | 2.5" x 20" | 1 | SILICONE | DOUBLE OPEN |
| | DP001S52000 | 2.5" x 20" | 1 | SILICONE | 222/FIN |
| | DP001SF2000 | 2.5" x 20" | 1 | SILICONE | DOE |
| 30" | DP001SX3000 | 2.5" x 30" | 1 | SILICONE | DOUBLE OPEN |
| | DP001S53000 | 2.5" x 30" | 1 | SILICONE | 222/FIN |
| | DP001SF3000 | 2.5" x 30" | 1 | SILICONE | DOE |
| 40" | DP001SX4000 | 2.5" x 40" | 1 | SILICONE | DOUBLE OPEN |
| | DP001S54000 | 2.5" x 40" | 1 | SILICONE | 222/FIN |
| | DP001SF4000 | 2.5" x 40" | 1 | SILICONE | DOE |

| RETENTION EFFICIENCY (%) | | | | | | | | |
|--------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Item Number | 1 μm | 3 μm | 5 μm | 10 μm | 25 μm | 50 μm | 75 μm | 100 μm |
| DP001 | > 99.9 | > 99.9 | > 99.9 | > 99.9 | > 99.9 | > 99.9 | > 99.9 | > 99.9 |
| DP003 | 89.9 | > 99.9 | > 99.9 | > 99.9 | > 99.9 | > 99.9 | > 99.9 | > 99.9 |
| DP005 | 75.9 | 91.2 | > 99.9 | > 99.9 | > 99.9 | > 99.9 | > 99.9 | > 99.9 |
| DP010 | - | 63.8 | 87.3 | > 99.9 | > 99.9 | > 99.9 | > 99.9 | > 99.9 |
| DP025 | - | - | 69.9 | 92.8 | > 99.9 | > 99.9 | > 99.9 | > 99.9 |
| DP050 | - | - | - | 58.1 | 74.9 | > 99.9 | > 99.9 | > 99.9 |
| DP075 | - | - | - | 63.9 | 63.9 | 90.5 | > 99.9 | > 99.9 |
| DP100 | - | - | - | 60.1 | 60.1 | 87.4 | 92.8 | > 99.9 |

Hydronix DP Delta-Plus Filters comply with FDA CFR21 regulations for use in food and beverage applications.

HYDRONIX WATER TECHNOLOGY

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Model # Guide

Delta-Plus Cavity Filter O-Ring Material Length

DP 001 SX 1000

Micron Rating End Cap Number

LEGEND

| | |
|--|--|
| <p>Micron Rating:</p> <ul style="list-style-type: none"> 001 = 1 Micron 003 = 3 Micron 005 = 5 Micron 010 = 10 Micron 025 = 25 Micron 050 = 50 Micron 075 = 75 Micron 100 = 100 Micron <p>Length:</p> <ul style="list-style-type: none"> 1000 = 10" 2000 = 20" 3000 = 30" 4000 = 40" | <p>End Cap Number:</p> <ul style="list-style-type: none"> X = Double Open F = 222/Flat (DOE) 0 = 222/Flat (SOE) 5 = 222/Fin (SOE) 6 = 226/Flat (SOE) 7 = 226/Fin (SOE) <p>O-Ring Material:</p> <ul style="list-style-type: none"> E = EPDM N = Buna-N S = Silicone V = Viton T = Viton Encapsulated PFA |
|--|--|

End cap, special lengths and diameters available.

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