


HYDRONIX™
 WATER TECHNOLOGY

DP SERIES
Delta-Plus Cavity Filters


- 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 makes them compatible 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

Temperature Rating

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

Displaces

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

Maximum Pressure Drop

100°F at 80 PSID 37°C at 5.6 kg/cm²
 150°F at 60 PSID 65°C at 4.2 kg/cm²
 180°F at 30 PSID 82°C at 2.1 kg/cm²

Model # Guide

Delta-Plus Cavity Filter
O-Ring Material
Length

DP-001-S-X-1000

Micron Rating
End Cap Number

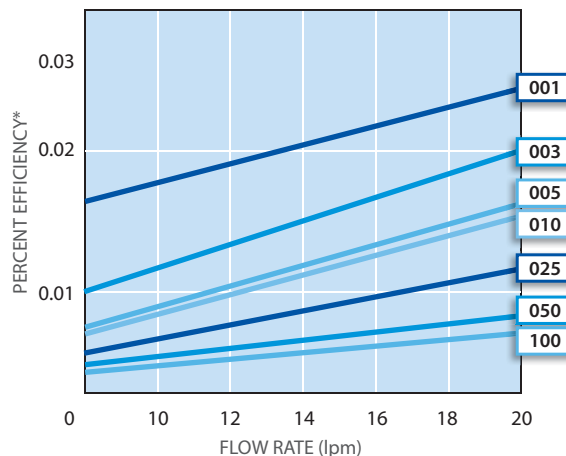
LEGEND

<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>O-Ring Material:</p> <ul style="list-style-type: none"> E = EPDM N = Buna-N S = Silicone V = Viton T = Viton Encapsulated PFA 	<p>End Cap Number:</p> <ul style="list-style-type: none"> X = Double Open F = Double Open End (DOE) 0 = 222/Flat (SOE) 5 = 222/Fin (SOE) 6 = 226/Flat (SOE) 7 = 226/Fin (SOE) <p>Length:</p> <ul style="list-style-type: none"> 1000 = 10" 2000 = 20" 3000 = 30" 4000 = 40" 	
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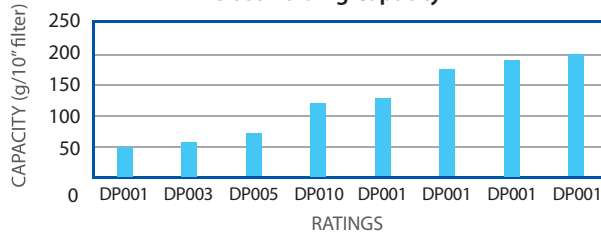
Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.



Initial Pressure Drop



Dust Holding Capacity



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