

## DP Series Delta-Plus Filters

- ✓ Absolute ratings from 1 to 100 microns
- ✓ Surface pore structure extends water flow to reduce pressure drop
- ✓ Made with FDA CFR 21 approved material
- ✓ Thermally bonded end caps and connectors free of any binders



### HYDRONIX DP SERIES DELTA-PLUS 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 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.

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are made with 100% pure polypropylene and are free of surfactants, detergents and anti-static agents. DP series filter cartridges do not impart any substances into water which are known to or can cause adverse health effects to humans.

### Materials of Construction

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

### Maximum Pressure Drop

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

2.5" DIAMETER SPECIFICATIONS									
	Part Number	Description	Micron Rating	O-Ring Material	End Cap Style	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	DP001SX1000	2.5" x 10"	1	SILICONE	DOUBLE OPEN	40	12 x 10 x 20	15	6.80
	DP001S51000	2.5" x 10"	1	SILICONE	222/FIN	40	12 x 10 x 21	15	6.80
	DP001SF1000	2.5" x 10"	1	SILICONE	DOE	40	12 x 10 x 21	15	6.80
20"	DP001SX2000	2.5" x 20"	1	SILICONE	DOUBLE OPEN	20	12 x 10 x 20	15	6.80
	DP001S52000	2.5" x 20"	1	SILICONE	222/FIN	20	12 x 10 x 21	15	6.80
	DP001SF2000	2.5" x 20"	1	SILICONE	DOE	20	12 x 10 x 21	15	6.80
30"	DP001SX3000	2.5" x 30"	1	SILICONE	DOUBLE OPEN	20	12 x 10 x 30	22	9.98
	DP001S53000	2.5" x 30"	1	SILICONE	222/FIN	20	12 x 10 x 34	22	9.98
	DP001SF3000	2.5" x 30"	1	SILICONE	DOE	20	12 x 10 x 34	22	9.98
40"	DP001SX4000	2.5" x 40"	1	SILICONE	DOUBLE OPEN	20	12 x 10 x 40	30	13.61
	DP001S54000	2.5" x 40"	1	SILICONE	222/FIN	20	12 x 10 x 40	30	13.61
	DP001SF4000	2.5" x 40"	1	SILICONE	DOE	20	12 x 10 x 40	30	13.61

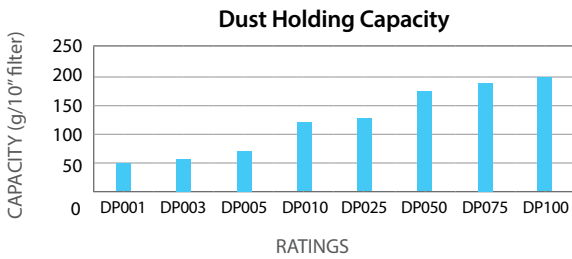
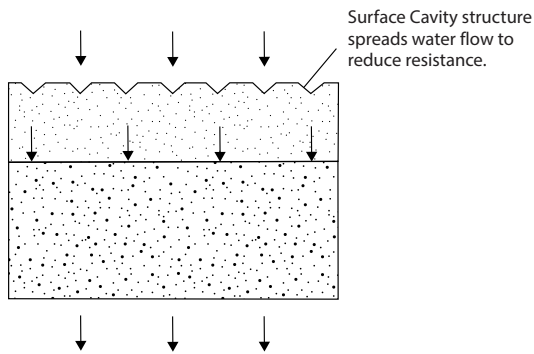
# DP SERIES

Delta-Plus Filters  
Data Sheet

## Displaces

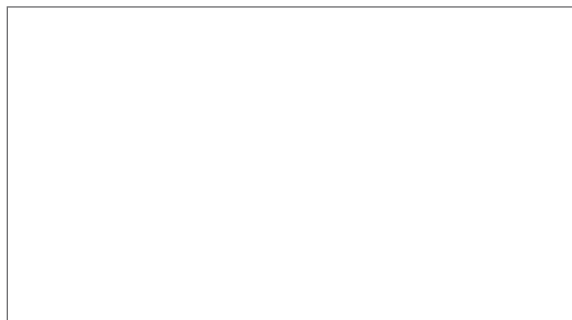
Pentek:	Polydepth	Cuno:	Deltaklean
Millipore:	Planargard	Cuno:	Betapure
	Filter	Filterite:	Nexis
Millipore:	Polygard-CR		
Pall:	Profile II Filter-		
	RMF Style		

## Flow Detail



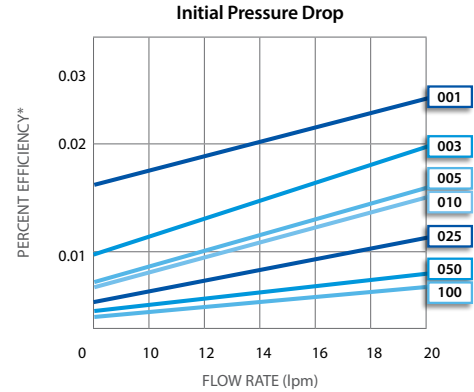
Item Number	RETENTION EFFICIENCY (%)							
	1 μm	3 μm	5 μm	10 μm	25 μm	50 μm	75 μm	100 μm
DP001	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9
DP003	89.9	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9
DP005	75.9	91.2	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9	> 99.9
DP010	-	63.8	87.3	> 99.9	> 99.9	> 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

## Distributed by:



## Operating Data

Recommended Replaceable Pressure Drop: 30 PSID (2.1 kg/cm<sup>2</sup>)  
Max. Operating Temperature: 180°F (82°C)



## Model # Guide

Delta-Plus Cavity Filter    O-Ring Material    Length

**DP 001 S X 1000**

Micron Rating    End Cap Number

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**LEGEND**

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

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



JUST ADD WATER™

P.O. Box 2235 Chino Hills, CA 91709 | USA  
sales@hydronixwater.com • www.HydronixWater.com