



DP SERIES

*Delta-Plus Cartridges
Data Sheet*

- Absolute ratings from 1 to 100 microns.
- Surface pore structure extends water flow to reduce pressure drop.
- Thermally bonded end caps and connectors free of any binders.
- FDA / USP Material Safety Compliance - All materials comply with FDA requirements for food and beverage contact per CFR Title 21 174.5, 177.1520 and 177.1630. All components meet USP Class VI Plastics.



HYDROSCIENTIFIC™ DP SERIES DELTA-PLUS CARTRIDGES

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.

HYDROSCIENTIFIC™ DP SERIES DELTA-PLUS CARTRIDGES

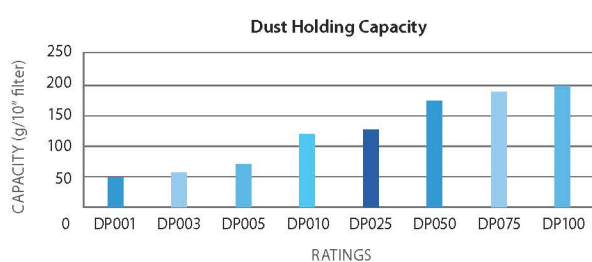
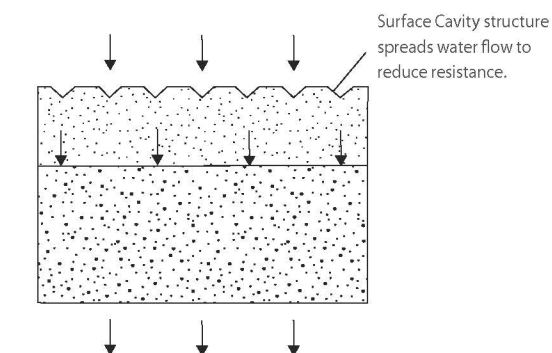
have continuous gradient pore structure which increases dust holding capacity. The surface of the cartridge is fiber fortified to prevent the release of micro fibers downstream. Manufactured of 100% pure Polypropylene for a wide range of process fluids.

HYDROSCIENTIFIC™ DP SERIES DELTA-PLUS CARTRIDGES

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

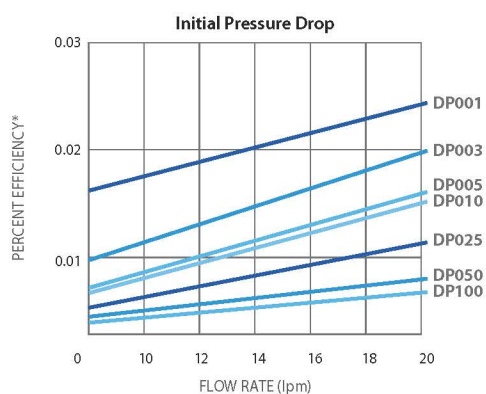
DP SERIES DELTA - PLUS CARTRIDGES SPECIFICATIONS									
	Part Number	Description	Micron Rating	O-Ring Material	End Cap Style	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	DP001SX1000	HydroScientific™ Delta-Plus Cartridges, 2.5" x 10"	1	SILICONE	DOUBLE OPEN	40	12" x 10" x 20"	15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

FLOW DETAIL



RETENTION EFFICIENCY (%)

Part Number	1 Micron	3 Micron	5 Micron	10 Micron	25 Micron	50 Micron	75 Micron	100 Micron
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



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DISPLACES

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

OPERATIONAL DATA

Max. Pressure Drop:	100° F at 80 psi - 37° C at 5.6 kg/cm ²
	150° F at 60 psi - 65° C at 4.2 kg/cm ²
	180° F at 30 psi - 82° C at 2.1 kg/cm ²

Max. Operating Temperature:	180° F (82° C)
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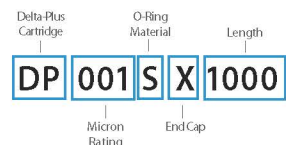
RECOMMENDED CHANGEOUT

Differential Pressure:	30 psid (2.1 kg/cm ²)
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MATERIALS OF CONSTRUCTION

Filter Media:	Polypropylene
End Cap:	Polypropylene
O-Ring / Gasket:	EPDM - (Buna-N, Viton, Silicone and Viton Encapsulado PFA options)

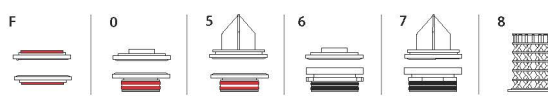
MODEL # GUIDE



LEGEND

Length: 1000 = 10" 2000 = 20" 3000 = 30" 4000 = 40"	O-Ring Material: E = EPDM (Black) N = Buna-N S = Silicone (Red) V = Viton T = Viton Encapsulated PFA	End Cap: X = Double Open F = Double Open End (DOE) 0 = 222/Flat (SOE) 5 = 222/Fin (SOE) 6 = 226/Flat (SOE) 7 = 226/Fin (SOE) 8 = Spring/Open
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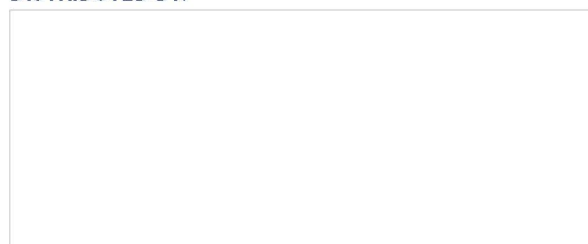
Micron:
 001 = 1 Micron
 003 = 3 Micron
 005 = 5 Micron
 010 = 10 Micron
 025 = 25 Micron
 050 = 50 Micron
 075 = 75 Micron
 100 = 100 Micron



End cap, special lengths and diameters available.

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