

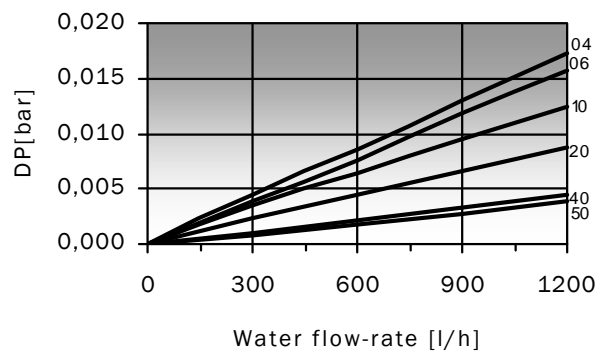
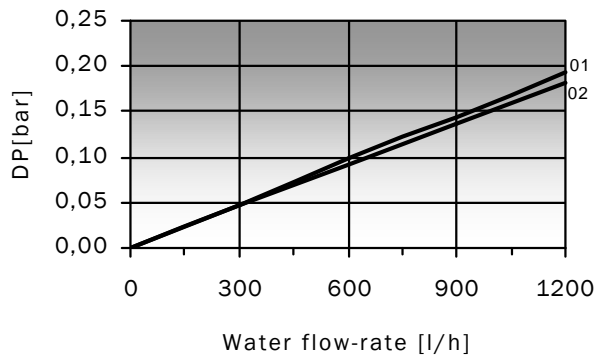
Pleated melt-blown PP hybrid cartridge **HYD series**

The latest evolution of filter media development. The HYD filter elements are hybrid cartridges which combine the clarification capability of depth elements with the high dirt holding capacity of pleated elements. HYD elements are designed using a specific polypropylene melt-blown media that offers high void volume. The elements are manufactured with different layers of graded pore melt-blown to optimize the gel retention characteristics. Filter structure is completed with external and internal support layers to avoid the filter media compression and guarantee a proper drainage downstream of the filter.



CHARACTERISTICS

- Innovative media design
- excellent gel removal capability
- High dirty-loading capacity
- Extended service life
- 100% polypropylene filter media
- Eight absolute removal ratings available
- Rigid outer cage for filter media protection
- Three different hardware materials available
- Biologically inert
- Non-fiber releasing
- Excellent chemical compatibility
- Wide range of configurations



Flow rate for 10" element. For liquids other than water multiply ΔP by fluid viscosity in cP.

MAIN APPLICATIONS

Solvents, reagents, varnishes, coatings, magnetic coating, automotive paints, resins, latex, glycols, liquid and gaseous monomers, injection water, process fluids, sugar solution, syrups, bottled water, edible oils, wine, beer, spirits, Intermediates or final products clarification, high purity water, demi water, membrane protection, ointments, deionized water, rinsingwater,

REMOVAL EFFICIENCY

GRADE	90,0%	99,98%
01	0,8 μm	1,0 μm
02	0,9 μm	2,1 μm
04	1,7 μm	4,4 μm
06	2,6 μm	6,0 μm
10	4,5 μm	10,0 μm
20	9,6 μm	20,0 μm
40	17,5 μm	40,0 μm
50	24,0 μm	50,0 μm

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PRODUCT SPECIFICATION

Retention ratings

1, 2, 4.5, 6, 10, 20, 40, 50, µm absolute

Max operating conditions

Differential pressure 60 psid @ 77 °F

Max continuous temperature 185 °F

Sterilization

Autoclaving up to 266 °F for 30 minutes without differential pressure.

Sanitization up to 180 °F for 60 minutes with hot water.

Construction materials

Filter media Polypropylene melt-blown

Support layers Polypropylene

Hardware: Polypropylene (T max 185 °F)

Reinforced PP (T max 221 °F)

High Density PE (T max 266 °F)

End & side seam Thermally bonded

Gaskets Buna-n, EPDM, Silicone, Viton, PTFE, FEP Encapsulated

Construction materials are in accordance with the FDA requirements suitable for food contact.

Dimensions

Length 10" 20" 30" 40" [nominal]

Outer diameter 2.7"

Inner diameter 1"

Filtration area 4.95 ft² for 10" module

ORDERING INFORMATION

HYD	P	P	010	-	20	S	7
	FILTER MEDIA	HARDWARE MATERIAL	MICRON RATING		LENGTH	GASKETS	END CAPS
P	Polypropylene	P PP	001 1 µm		10 10"	N Buna-n	0 DOE
		R Reinforced PP	002 2 µm		20 20"	E EPDM	3 SOE - OR 222/FLAT END
		H HDPE	004 4.5 µm		30 30"	R Natural rubber	6 SOE - OR 226/FLAT END
			006 6 µm		40 40"	S Silicone	7 SOE - OR 226/FIN END
			010 10 µm			V Viton	8 SOE - OR 222/FIN END
			020 20 µm			T PTFE [1]	9 SOE - OR 225/FIN END [2]
			030 30 µm			F FEP	
			050 50 µm				

1] Available only with DOE configuration.

2] Available only with polypropylene hardware.



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