

Pleated cartridge AFP series

The APF series cartridges are classifying pleated elements where filtration occurs on the media surface. The cartridges are manufactured to provide a multi-layer arrangement, using different filter medium in order to offer high flow-rate combined with high dirt holding capacity.

The filter media is available in four different materials:

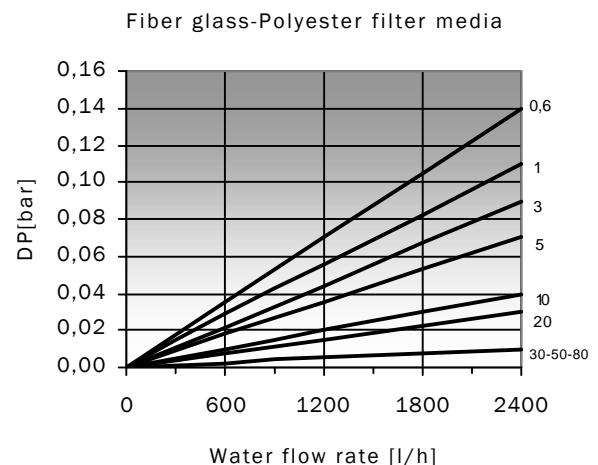
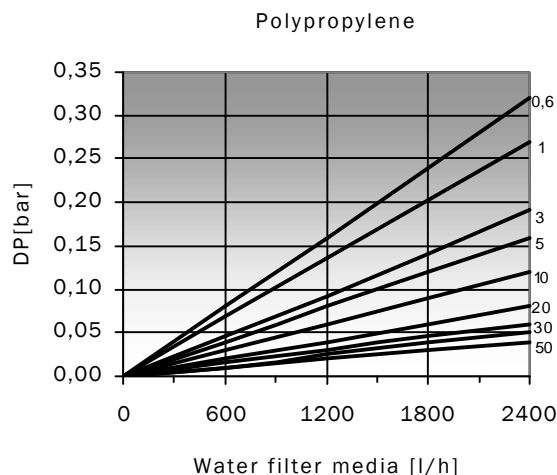
- Polypropylene melt-blown
- Micro-fiberglass/polyester
- Polypropylene mesh
- Stainless steel wire mesh

Cartridge integrity is ensured by fusion bonding of all components with polypropylene.



CHARACTERISTICS

- High filtration area
- High specific flow rate
- High dirt loading capacity
- Extended service life
- Graded density for excellent particle retention
- Ten absolute removal ratings available
- Rigid polypropylene outer cage for filter media protection
- Biologically inert
- Non-fiber releasing
- Excellent chemical compatibility
- Wide range and fittings configurations



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

MAIN APPLICATIONS

Solvents, reagents, varnishes, coatings, magnetic coating, resins, latex paint, glycols, liquid and gaseous monomers, injection water, process fluids. R.O. membrane protection, demi water, waste water, sugar solution, syrups, process water, rinsing water, edible oils, spirits, wine clarification, beer trap filter, perfumes, essential oils, detergents, membrane protection, tanks sterile venting, sterile air for fermentation, de-ionized water, rinsing water, pure gas, acids.

Pleated cartridge **AFP** series

PRODUCT SPECIFICATION

Retention ratings

Polypropylene	0.6, 1, 3, 5, 10, 20, 30, 50, 80 µm
Fiberglass	0.6, 1, 3, 5, 10, 20, 30 µm
Polyester	50, 80 µm
SS wire mesh	upon request

Max operating conditions

Differential pressure	72 psid @ 68 °F
Max continuous temperature	176 °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	(P grade) Polypropylene (G grade) Fiberglass (E grade) Polyester (S grade) Stainless steel
Upstream support	(P grade) Polypropylene (G, E grade) Polyester
Downstream support	(P grade) Polypropylene (G, E grade) Polyester
Inner core	Polypropylene
Outer cage	Polypropylene
End caps	Polypropylene
End & side seam	Thermally bonded
Gaskets	Buna-n, EPDM, Silicone, Viton, Natural rubber, PTFE

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

Dimensions

Length	10" 20" 30" 40" [nominal]
Outer diameter	2.7"

Filtration area for 10" module

0.6 - 5 µm	5.38 ft ²
10 - 80 µm	6.45 ft ²

ORDERING INFORMATION

AFP	P	005	-	20	V	8
	FILTER MEDIA	MICRON RATING [1]		LENGTH	GASKETS	END CAPS
	P Polypropylene	0.6	0.6 µm	10 10"	N Buna-n	0 DOE
	G Fiberglass	001	1 µm	20 20"	E EPDM	3 SOE - OR 222/FLAT END
	E Polyester	003	3 µm	30 30"	R Natural rubber	6 SOE - OR 226/FLAT END
	M PP mesh	005	5 µm	40 40"	S Silicone	7 SOE - OR 226/FIN END
	S Stainless steel	010	10 µm		V Viton	7L SOE - OR 226/FIN END /ID 36 mm
		020	20 µm		T PTFE [1]	8 SOE - OR 222/FIN END
		030	30 µm			9 SOE - OR 225/FIN END
		050	50 µm	.		9L SOE - OR 225/FIN END /ID 36 mm
		080	80 µm			
		100	100 µm			

1] Available only with DOE configuration
2] Other micron rating upon request



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