



FLUXA

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S.p.A.

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HIGH FLOW PLEATED FILTER CARTRIDGE

Poliflo HFC high flow pleated filter cartridges utilise pleated depth media offering maximum efficiency and exceptionally high flow capabilities. Developed to suit industrial processes where high performance is required, the low pressure loss and high dirt capacity makes it the ideal choice for fine polishing applications, in-house developments have optimised the pleat pack ensuring rigidity is maintained at all flow rates.

Available in different materials: polypropylene, glass microfibre, polyester, nylon 6,6

Poliflo HFC cartridges feature:

HFC - P: Polypropylene media

- For water, membrane pre-filtration, food and beverage, chemicals and acids
- Materials meet FDA requirements throughout
- High contaminant holding capacity

HFC - G: Glass microfibre media

- Highest dirt holding for water, hydrocarbons and certain chemicals

HFC - N: Nylon media

- For caustic, aromatics and elevated temperature
- High contaminant holding capacity

HFC - S: Polyestere media

- For water, hydrocarbons, specific acids and solvents
- High contaminant holding capacity

Absolute Rated Filter Media

- Available from 0,45 to 100 µm
- Consistent reliable performance
- 99,98% absolute at stated micron ($\beta = 5000$)

Poliflo HFC filter cartridges are produced using an improved manufacturing process resulting in the following features:

- One piece support core up to 60", nominal
- High surface area, resulting in low clean Δp and excellent dirt holding capacity

Fluxa Filtri manufacture a wide comprehensive range of filter housings for the **Poliflo HFC** cartridges. Available in many materials and sizes to suit all flow rates, please consult our sales office for further details on our full range.



POLIFLO HFC FEATURES AND BENEFITS

- Absolute removal ratings for consistent and reliable performance
- Wide chemical compatibility using materials that meet FDA requirements
- Glass microfibre media gives excellent dirt holding capacity
- Pleat geometry specifically designed for in-out flow direction
- Low maintenance – fewer number of cartridges

TECHNICAL DATA

Material of Constructions

Filter media:	P	G	S	N
Support:	P	P or N or S	P or N or S	P or N or S
Screen:	P	P or N	P or N	P or N
End caps:	P	N	N	N

P = Polypropylene G = Glass Microfibre S = Polyester N = Nylon

Dimensions

Outside Diameter: 150 mm (6")

Maximum ΔP

2,4 Bar @ 20°C; 1,8 Bar @ 48,9°C

Maximum temperature

Polypropylene: 60°C (max 82,2°C)

Glass microfibre with nylon support and screen: 148,9°C

Glass microfibre with polyester support and nylon screen: 125,6°C

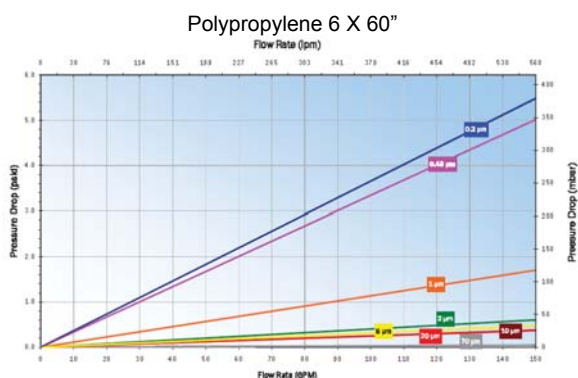
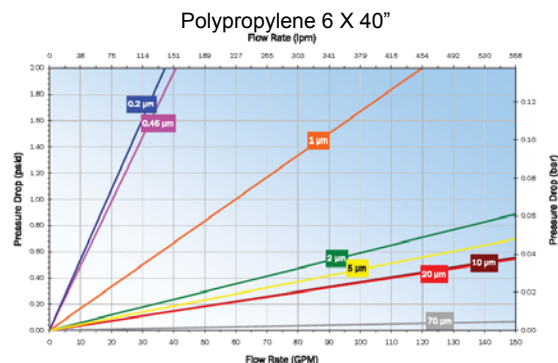
Polyester: 125,6°C

Typical surface area in m² per cartridges

(depending upon the micron rating and material)

20": 2,3 m²; 40": 6 m²; 60": 9 m²

Poliflo HFC cartridges are manufactured under strict control with batch number identification giving full traceability on all components used.



Cartridges part numbering guide

HFC 40 P 10 E X									
Code	Length	Code	Media	Code	Micron rating	Code	Seal	Code	Additional Options
20	508 mm (20")	G	Glass microfibre	A4	0,45 µm	B	Buna -N	X	Special
40	1016 mm (40")	P	Polypropylene	A8	0,8 µm	E	EPDM		
60	1524 mm (60")	N	Nylon	01	1.0 µm	T	TEV (PTFE encapsulated viton)		
		S	Polyester	02	2.0 µm		Viton		
				05	5.0 µm				
				10	10 µm	V	Viton		
				20	20 µm	X	Special		
				50	50 µm				
				70	70 µm				
				100	100 µm				

INDUSTRIES AND APPLICATIONS

- | | |
|-------------------|---------------------------------------------------------------------------------|
| Food and Beverage | ➤ Bottled water, Beers, Wines, Flavours, Polishing lines, General clarification |
| Pharmaceutical | ➤ Solvent discharge, Raw water supplies, batch transfers |
| Fine Chemicals | ➤ Polymers, Acids, Bases, Solvents |
| Cosmetics | ➤ Alcohol, Essential oils, Mouthwash solutions |
| Metal Finishing | ➤ Plating solutions, Wash solutions |
| Water Treatment | ➤ Pre reverse osmosis, UV protection, Resin Trap |
| Automotive | ➤ Wash solutions, Cooling fluid, Blanking wash oils, Electrophoretic paint |