

# POLIFLO PLEATED FILTER CARTRIDGES

Leaflet E-09-02-UK

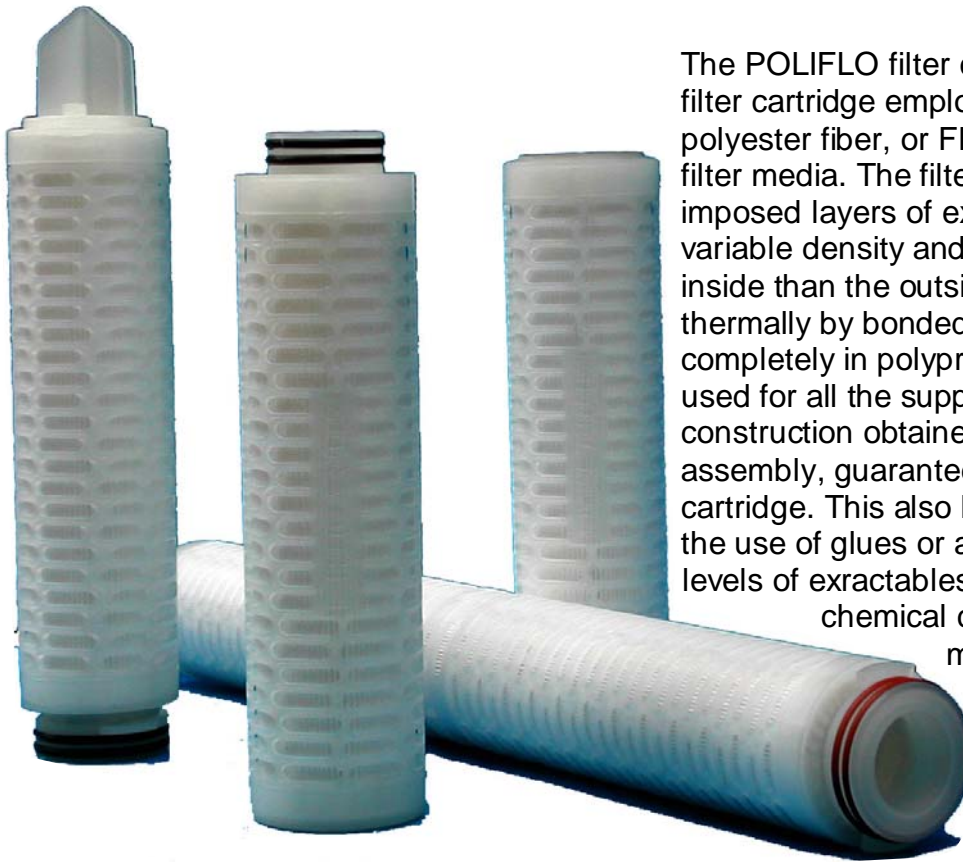


# FLUXA

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The POLIFLO filter cartridge is an absolute rated filter cartridge employing either glass fiber or polyester fiber, or FDA approved polypropylene filter media. The filter media is made up of super-imposed layers of extremely fine fibers with variable density and with higher density on the inside than the outside. The fibers are totally thermally bonded and the support structure is completely in polypropylene. The high thickness used for all the supporting parts and the construction obtained by thermal bonding of the assembly, guarantee a good firmness of the cartridge. This also benefits users by eliminating the use of glues or adhesives, thus minimizing levels of extractables and broadening the range of chemical compatibility. The pleated filter media gives a high filter surface which gives a high flow rate, low pressure drops, and a high dirt capacity. The filter cartridge has a long life.

## ORDERING INFORMATION

<b>FP</b>	<b>10</b>	<b>05</b>	<b>O</b>	<b>E</b>
MATERIAL	LENGTH	MICRON RATING	END CAPS	GASKETS
FP: polypropylene	10 : 10" (250) mm	A6: 0.6	0 : DOE	E : EPDM
FV: glass fiber/polyester	20 : 20" (500) mm	01: 1	3 : COD.3	S : SILICONE
FPE: polyester	30 : 30" (750) mm	03: 3	7 : COD.7	V : VITON
	40 : 40" (1000) mm	05: 5	8 : COD.8	N : NITRILE
		10: 10	9 : COD.9	G : NATURAL
		20: 20	7L : COD.7L	RUBBER
		30: 30*	9L : COD.9L	
		50: 50*		
		80: 80*		

\* Only available in FP and FPE cartridges

## END CAPS CONFIGURATIONS



### TECHNICAL SPECIFICATION

- Sterilizable with autoclave at 130°C
- Max operating temperature 80°C (continuous 65°C)
- Max pressure loss: 5 bar at 20°C
- Materials used are suitable for food applications - Comply with FDA 21 CFR 177:1520

➤ Materials of construction:	FP	FV	FPE
Filter media:	Polypropylene	Glass microfibre	Polyester
Filter media support:	Polypropylene	Polyester	Polyester
End caps:	Polypropylene	Polypropylene	Polypropylene
Core:	Polypropylene	Polypropylene	Polypropylene
Outer support cage:	Polypropylene	Polypropylene	Polypropylene

- Filter efficiency established in water suspensions using AC fine / coarse Test Dust
- Cartridges length 10" - 20" - 30" - 40"
- O.D. 67 mm ± 0,5 mm
- Surface area for a 10" length:
  - FP : 4850 ÷ 6000 cm<sup>2</sup>
  - FV : 4500 cm<sup>2</sup>
  - FPE : 3400 ÷ 6000 cm<sup>2</sup>

### FEATURES AND BENEFITS

- Absolute removal ratings from 0,6 to 80 micron
- Pleated depth media for maximum dirt holding capacity
- High surface area giving high flow rates and low initial pressure losses
- FP-wide chemicals compatibility using 100% polypropylene to meet FDA requirements
- Thermal bonding process eliminates adhesive and ensures minimal extractables

### APPLICATIONS

- Membrane prefiltration
- Food and beverage industries
- Pharmaceutical industries
- Electronic industries
- Cosmetics
- General water filtration
- RO / DI prefiltration
- Chemical liquid clarification
- Edible oils
- Acids
- Alkalis
- Solvents
- Coatings

