

# Poliflo Range

The Poliflo Range is a range of absolute rated filter cartridges employing glass fiber, 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 a higher density on the inside than the outside. The fibers are totally thermally bonded with the support structure in polypropylene.

The high thickness used for all supporting parts plus 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 minimising 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 high dirt capacity. The filter cartridge has a long life.



## 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

## Technical Specification

Sterilisable with autoclave at 130°C

Max operating temperature 80°C (continuous 65°C)

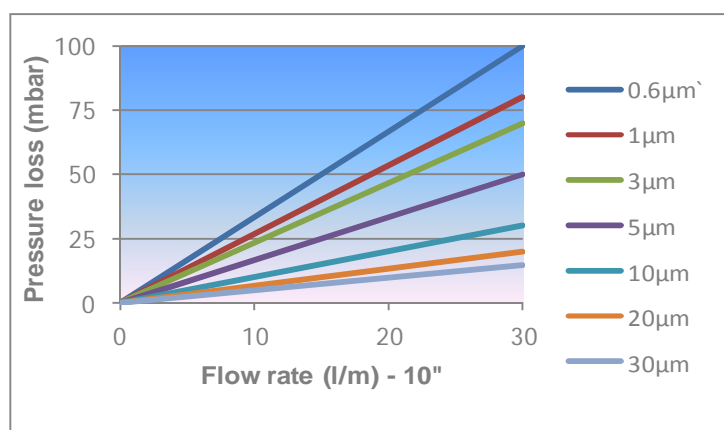
Max pressure loss: 5 bar at 20°C

Materials used are suitable for food applications - Comply with FDA 21 CFR 177

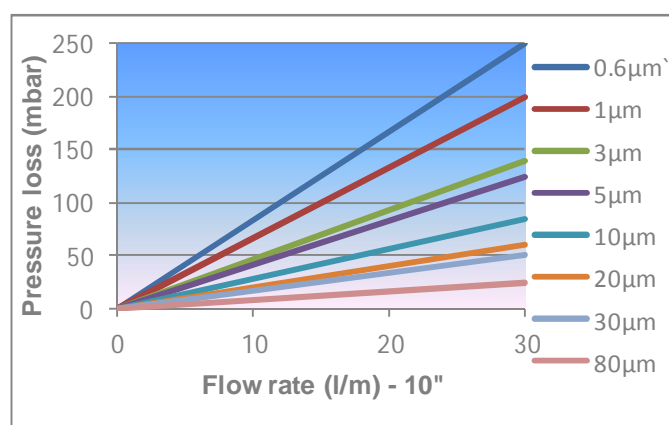
Materials of construction:	FP	FV	FPE
Filter media:	Polypropylene	Glass microfibre	Polyester
Filter media support:	Polypropylene	Polyester	Polyester
End caps:	Polypropylene	Polypropylene	Polypropylene
Core:	Polypropylene	Polypropylene	Polypropylene
Outer support cage:	Polypropylene	Polypropylene	Polypropylene

- 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

### Pressure loss/flow rate for Polifo GF



### Pressure loss/flow rate for Polifo PP & PE



## Ordering Guide

Name	Micron Rating	Nominal Length	End Cap Type	Seal Type	Special
Poliflo FP	0.6µm	10"	03	E - EDPM	
Poliflo FV	1µm	20"	04-DOE	S - Silicone	
Poliflo FPE	3µm	30"	07	V Viton	
	5µm	40"	08	N - Nitrile	
	10µm		09		
	20µm		7L		
	30µm*		9L		
	50µm*				
	80µm*				

\* Only available in PP and PE

V1-08/14



**UK Office:**

Envirogen Water Technologies  
Charwell House  
Cheddar Business park  
Wedmore Road  
Somerset, BS27 3Eb  
Tel: +44 (0) 1934 741782  
E: info@envirogengroup.com  
www.envirogenwater.com



**Italian Office:**

Fluxa Filtri S.p.A  
Viale De GASPERI,88/B  
20017  
Mazzo di Rho  
Milano  
Tel: +39 (0)2 93959.1  
E: info@fluxafiltri.com  
www.fluxafiltri.com



**USA Office:**

Envirogen Technologies  
Two Kingwood Place  
700 Rockmead Dr. Suite 105  
Kingwood, TX 77339  
Tel: +1 877.312.8950  
E: info@envirogen.com  
www.envirogen.com