

# Poliflo II

- High surface area
- High resistance with high dirt holding capacity
- Steamable and sanitisable
- EC-listed materials for Food contact
- FDA-listed materials per CFR21
- Validation guide on request (only PH grade)
- Cryptosporidium removal



Poliflo II is obtained by pleating up to 5 polypropylene layers of decreasing porosity, achieving the highly effective filtration area, high dirt holding capacity and precise and controlled filter ratings.

All the components in polypropylene are assembled by the thermowelding process. Poliflo II is very suited to all applications (chemical - petrochemical - water treatment - food and beverage - RO - etc.) Thanks to its strengths and high chemical compatibility both with liquid and gases; PH grade is pre-rinsed with non-pyrogenic water and is suitable for pharmaceutical applications.

## Materials of Construction

Filter media	Polypropylene
Upstream supports	Polypropylene
Downstream supports	Polypropylene
Internal Core	Polypropylene
External Cage	Polypropylene
End caps / Adapters	Polypropylene

## Food Safety

Poliflo II filter element material meet (EU) regulation 10/2011 and its amendments, regulations (EC) 1935/2004 and 1895/2005.

## Bio Safety

Filter media and components pass USP Biologic al Reactivity and Chemical-Physical tests for Class VI plastics.  
Specific for "PH" grade: the filter meets USP "Water for injection requirements for particle release and the effluent is Non-pyrogenic per USP– Bacterial Endotoxins (< 0.25 EU/ml).

## Recommended Operating Conditions

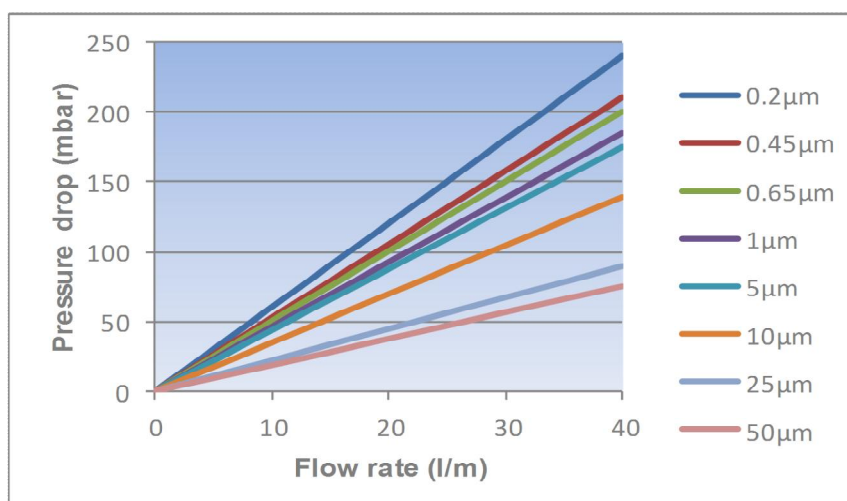
- Maximum continuous temperature is 65°C
- Regeneration is 2% NaOH solution at room temperature
- Sterilisation with steam - continuously with cycles of 20 minutes at 121°C
- Sanitisation with hot water at 80°C maximum
- Santisation with chemicals - it can be sanitised by standard chemical agents
- Maximum differential pressure is 5 bar at 25°C
- Recommended change out differential pressure is 2.0 bar at 25°C

## Poliflo II

FILTRATION RATING (µm) *	MAX. WATER FLOW RATE FOR 10" CARTRIDGE (l/h)	MAX. AIR GAS FLOW RATE FOR 10" CARTRIDGE (Nm <sup>3</sup> /h @ 7 bar and 20°C)
0.2	500	500
0.45	800	550
0.65	3000	600
1.0	3000	600
5.0	3000	600
10.0	3000	600
25.0	3000	600
50.0	3000	600

\*Referred to filtration of liquid and wet gas; filtration efficiency is drastically increased when dry gasses are involved.

### Water Flow Rate for 10" Cartridge Poliflo II



### Ordering Guide

Name	Micron Rating		Nominal Length	End Cap Type	Seal Type	Special
Poliflo II	0.2	5.0	5	03	S - Silicone	C = Cryptosporidium
	0.45	10.0	10	04 - DOE	E - EPDM	
	0.65	25.0	20	07	F - FED	
	1.0	50.0	30	08	SS - S Steel Ring	
			40	28		

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