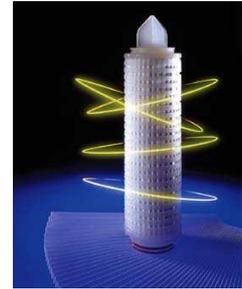


POLYVER

- Repeatedly steamable in situ or in autoclave
- Sanitizable
- Thermowelded construction
- EC-listed materials for Food contact
- FDA-listed materials per CFR21
- Bio-safety per USP-Plastics (only PH grade)
- Validation Guide on request (only PH grade)



POLYVER is designed for cosmetic and food&beverage applications in the filtration of liquid with high content of colloidal particles. PH grade is prefluxed with non-pyrogenic water and is suitable for pharmaceutical process applications.

The media is made by borosilicate microfibers pleated with upstream and downstream layers of polypropylene; the electrical charges of the porous media interact with the contaminant electrical charges and generate an attraction whose effect is to retain particles finer than the physical passage. Manufacturing is performed in a controlled environment.

MATERIALS OF CONSTRUCTION

Filter media	Microfiber of borosilicate
Upstream supports	polypropylene
Downstream supports	polypropylene
Internal Core	polypropylene
External Cage	polypropylene
End caps / Adapters	polypropylene

FOOD-SAFETY

POLYVER filter elements materials meet (EU) regulation 10/2011 and its amendments, regulations (EC) 1935/2004 and 1895/2005.

BIO-SAFETY

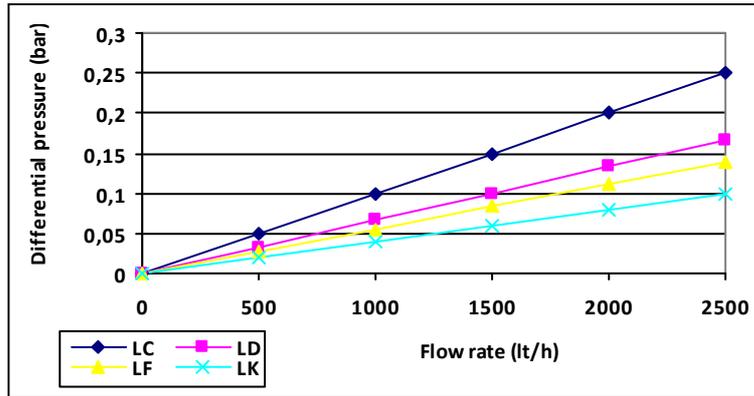
Filter media and components pass USP Biological Reactivity and Chemical-Physical tests for CLASS VI plastics. Specific for "PH" grade: the filter meets USP "Water for injection" requirements for particle release and the effluent is Non-Pyrogenic per USP Bacterial Endotoxins (< 0,25 EU/ml).

OPERATING CONDITIONS

- max. continuous temperature	65 °C
- sterilization with steam	continuously with cycles of 20 minutes at 121 °C
- sanitization with hot water	80 °C max
- max. differential pressure	5,0 bar at 25 °C
- recommended change out differential pressure	2,0 bar at 25 °C

CODE	FILTRATION RATING (µm)	MAX. FLOW RATE FOR 10" CARTRIDGE (l/h)
LC	0,5	1000
LD	0,65	1100
LF	1,00	1200
LK	2,00	1500

WATER FLOW RATE FOR 10" CARTRIDGE



POLYVER ORDERING INFORMATION

PLV - 207 1 - LC - [] - []

END FITTING	CODE
DOE: double open end with flat gaskets	200
SOE: open end with (2) O-Ring 2.222. Blind end with flat top.	203
SOE: open end with (2) O-Ring 2.226 and 2 bayonet locks. Blind end with fin.	207
SOE: open end with (2) O-Ring 2.222. Blind end with fin.	208
SOE: open end with (2) O-Ring 2.222 and 3 bayonet locks. Blind end with fin.	212

FILTRATION RATING	CODE
0,5 µm	LC
0,65 µm	LD
1,0 µm	LF
2,0 µm	LK

CODE	DESCRIPTION
PH	Prefluxed with non-pyrogenic water; Quality Certification in the box.
no code	General Grade

CODE	NOMINAL LENGTH
1	10"
2	20"
3	30"
4	40"

CODE	GASKETS		END FITTING CODE
	Standard	EPDM	
no code	Standard	EPDM	200
S	On request	Silicone	
Z	On request	Soft Teflon	
no code	Standard	Silicone	203-207 208-212 With AISI 316 stainless steel ring
E	On request	EPDM	
F	On request	FEP	
SSS	On request	SILICONE	

Data contained in this bulletin are informative and subject to change without notice. User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.



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