

# POLYVERSE

PP depth pleated cartridge



**QUALI**FILTRES  
SIEBEC Group

- Regenerable
- Steamable
- Sanitizable
- Thermowelded construction
- EC-listed materials for Food contact
- FDA-listed materials for CFR21



POLYVERSE is designed for clarification in Food & Beverage industries. The media is obtained by innovative materials with controlled and decreasing porosity, particularly pleated in order to allow the chemical regeneration of to perform an easier backwashing process. Materials of construction meet international guidelines for Food contact. Manufacturing is performed in a controlled environment.

## MATERIALS OF CONSTRUCTION

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

## FOOD-SAFETY

POLYVERSE filter element 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).

## RECOMMENDED OPERATING CONDITIONS

- max. continuous temperature	65 °C
- regeneration	2% NaOH solution at room temperature
- 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. WATER FLOW RATE FOR 10" CARTRIDGE (l/h)
VA	0,5	350
VB	1,0	500
VC	3,0	1000
VD	5,0	2500
VF	10,0	3000
VL	20,0	3000
VM	40,0	3000
VN	80,0	3000



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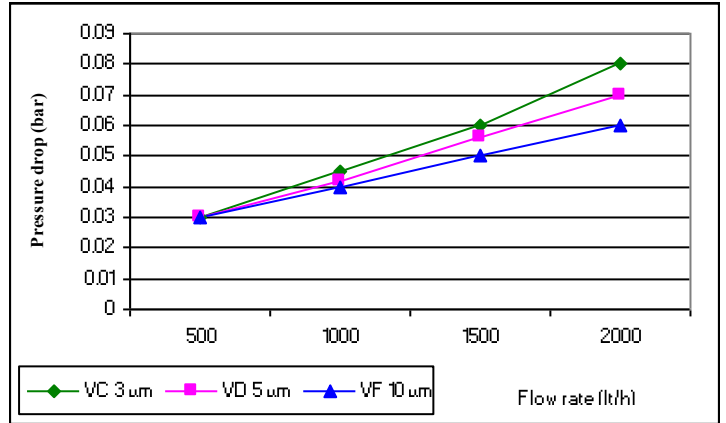
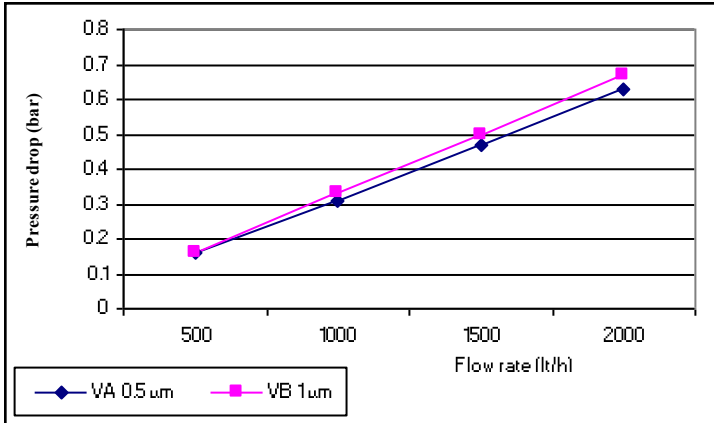
We are here to help.  
**Contact us!**

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## WATER FLOW RATE FOR 10" CARTRIDGE



## POLYVERSE ORDERING INFORMATION

**LPS - 687 1 - VA - GG - SB -**

OUTSIDE DIAMETER 68 mm	END FITTING	CODE
	DOE: double open end with flat gaskets.	<b>680</b>
	SOE: open end with (2) O-Ring 2.222. Blind end with flat top.	<b>683*</b>
	SOE: open end with (2) O-Ring 2.226 and 2 bayonet locks. Blind end with fin.	<b>687*</b>
	SOE: open end with (2) O-Ring 2.222. Blind end with fin.	<b>688*</b>
	SOE: open end with (2) O-Ring 2.222 and 3 bayonet locks. Blind end with fin.	<b>612*</b>

ABSOLUTE FILTRATION RATING µm	CODE
0,5	<b>VA</b>
1,0	<b>VB</b>
3,0	<b>VC</b>
5,0	<b>VD</b>
10,0	<b>VF</b>
20,0	<b>VL</b>
40,0	<b>VM</b>
80,0	<b>VN</b>

CODE	GASKETS		END FITTING CODE
	Standard	Silicone	
No code			680
<b>E</b>	On request	EPDM	683 687 688 612
<b>V</b>	On request	Viton	
<b>F</b>	On request	FEP	687

CODE	PACKING TYPE
<b>SB</b>	Single box

\* with stainless steel ring

CODE	NOMINAL LENGTH
<b>1</b>	10"
<b>2</b>	20"
<b>3</b>	30"
<b>4</b>	40"

CODE	DESCRIPTION
<b>GG</b>	General Grade without certification
<b>CQ</b>	General Grade; Quality Certification in the box
<b>PH</b>	Preflused with non-pyrogenic water; Quality Certification in the box.