

POLYVERSE

- 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

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

FOOD-SAFETY

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

BIO-SAFETY

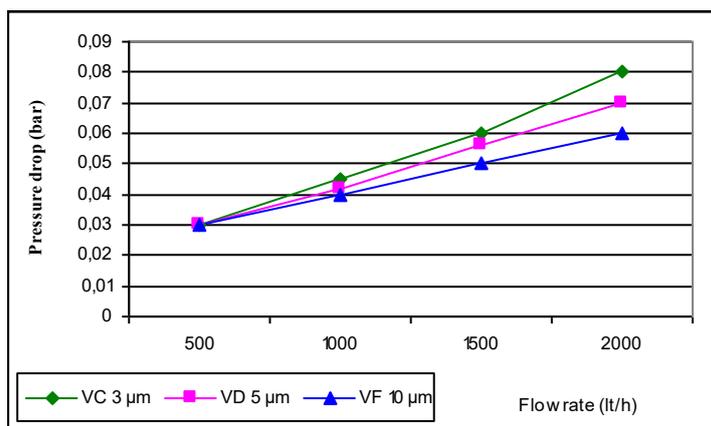
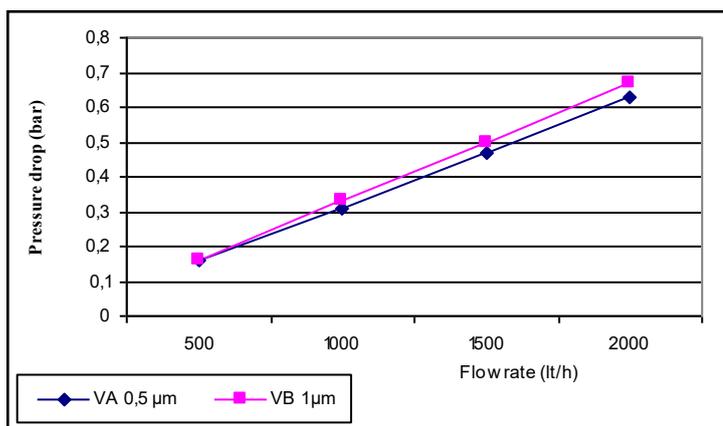
Filter media and components pass USP Biological Reactivity and Chemical-Physical tests for CLASS VI plastics. Specific for "PH" grade: the filter meets USP "Water for injection" requirements for particle release and the effluent is Non-Pyrogenic per USP Bacterial Endotoxins (< 0,25 EU/ml).

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

WATER FLOW RATE FOR 10" CARTRIDGE



POLYVERSE ORDERING INFORMATION

LPS - 687 1 - VA - GG - SB -

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

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

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

CODE	PACKING TYPE
SB	Single box

* with stainless steel ring

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

CODE	DESCRIPTION
GG	General Grade without certification
CQ	General Grade; Quality Certification in the box
PH	Prefluxe with non-pyrogenic water; Quality Certification in the box.

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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