

## POLIXSTER

- Integrally made of Polyester
- High chemical compatibility
- High effective surface area
- High resistance to temperature
- Steamable and sanitizable
- EC and FDA-listed materials



POLIXSTER is obtained by pleating together up to 4 polyester layers of decreasing porosity to achieve high effective filtration area, high dirt holding capacity and controlled filter ratings.

All the components are in polyester, assembled by thermowelding process; its high chemical compatibility gives the best performance in filtration of solvents, acids and bases in chemical and petrochemical applications.

PH grade is preflushed with non-pyrogenic water and suitable for bulk products filtration used by pharmaceutical industries.

### MATERIALS OF CONSTRUCTION

<b>Filter media</b>	polyester
<b>Upstream supports</b>	polyester
<b>Downstream supports</b>	polyester
<b>Internal core</b>	polyester
<b>External core</b>	polyester
<b>End caps/adapters</b>	polyester

### FOOD-SAFETY

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

### BIO-SAFETY

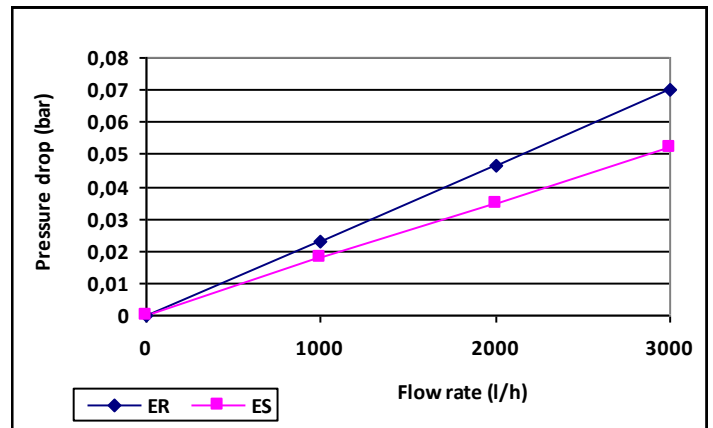
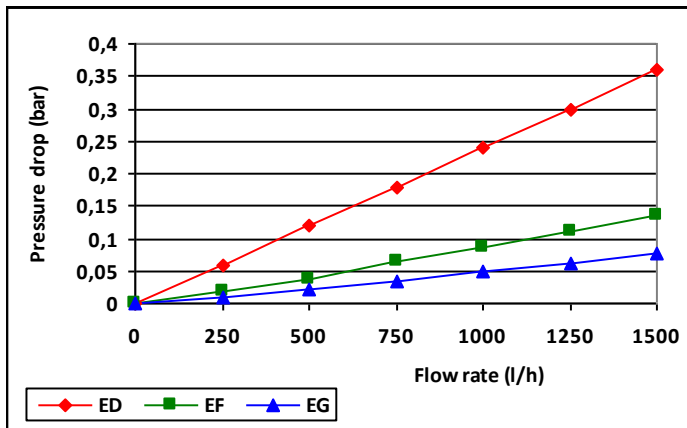
Specific for "PH" grade: the filter meets USP "Water for injection" requirements for particle release and the effluent is Non-Pyrogenic per USP Bacterial Endotoxins ( $\leq 0.25$  EU/ml).

### OPERATING CONDITIONS

- max operating peak temperature (4 h)	120 °C
- sterilization with steam	Continuously with cycles of 20 minutes at 121 °C
- max continuously operating temperature (300 h)	95 °C
- sanitization with chemicals	Can be sanitized by standard chemical agent
- max differential pressure	5,0 bar at 25 °C
- recommended change out differential pressure	2,0 bar at 25 °C

CODE	FILTRATION RATING ( $\mu\text{m}$ )	MAX FLOW RATE FOR 10" CARTRIDGE (l/h)
ED	0,5	400
EF	1	800
EG	3	3000
ER	5	3000
ES	10	3000
ET	20	3000
EV	40	3000

## WATER FLOW RATE FOR 10" CARTRIDGE



### POLIXSTER ORDERING INFORMATION

**PKE - 207 1 - EF - GG - SB -**

END FITTING	CODE
DOE: double open end with flat gaskets.	<b>200</b>
SOE: open end with (2) O-Ring 2.222. Blind end with flat top.	<b>203</b>
SOE: open end with (2) O-Ring 2.226 and 2 bayonet locks. Blind end with fin.	<b>207</b>
SOE: open end with (1) O-Ring. Blind end with flat top.	<b>209</b>

FILTRATION RATING µm	CODE
0,5	<b>ED</b>
1	<b>EF</b>
3	<b>EG</b>
5	<b>ER</b>
10	<b>ES</b>
20	<b>ET</b>
40	<b>EV</b>

CODE	O-RING	
<b>NO CODE</b>	Standard	EPDM
<b>S</b>	On request	Silicon
<b>F</b>	On request	FEP
<b>V</b>	On request	Viton

CODE	PACKING
<b>SB</b>	Single box
<b>MB</b>	Multiple box

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

DESCRIPTION	CODE
Prefluxed with non-pyrogenic water; Quality Certification in the box	<b>PH</b>
General grade without certification	<b>GG</b>
Product certified Halal by WHA-IT00172-002	<b>HIA</b>

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The data 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.