

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

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

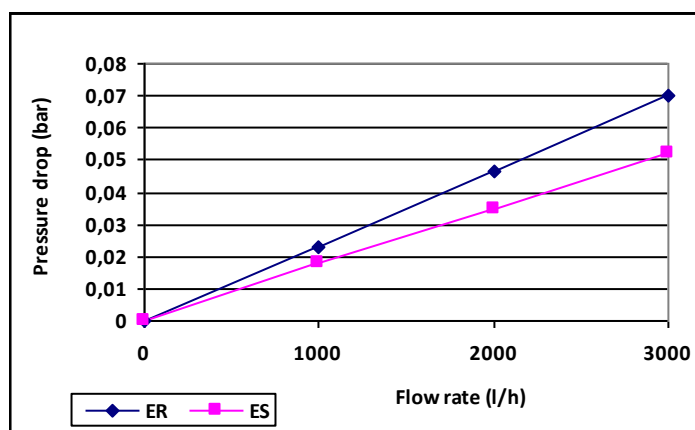
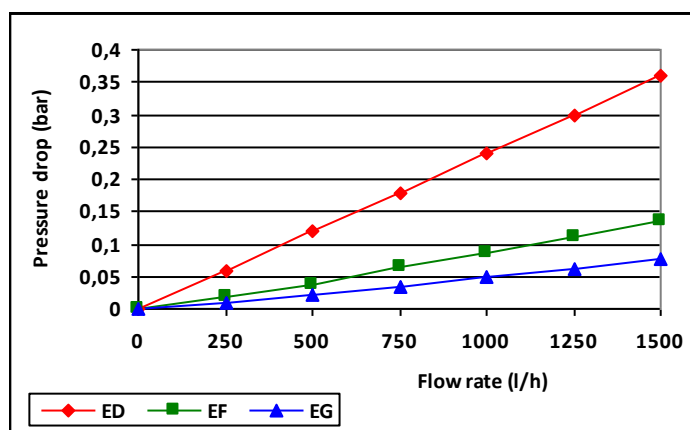
Specific for "PH" grade: the filter meets USP "Water for injection" requirements for particle release and the effluent is Non-Pyrogenic per USP Bacterial Endotoxins (≤ 0.25 EU/ml).

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 (μm)	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 -

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 (1) O-Ring. Blind end with flat top.	209

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

EF -

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

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

GG -

SB -

CODE	O-RING	
NO CODE	Standard	EPDM
S	On request	Silicon
F	On request	FEP
V	On request	Viton

CODE	PACKING
SB	Single box
MB	Multiple 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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