POLIXSTER

- Integrally made with Polyester
- High chemical compatibility
- High effective surface area
- High resistance to temperature
- Steamable and sanitizable
- FDA-listed materials per CFR21

POLIXSTER is obtained by pleating 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

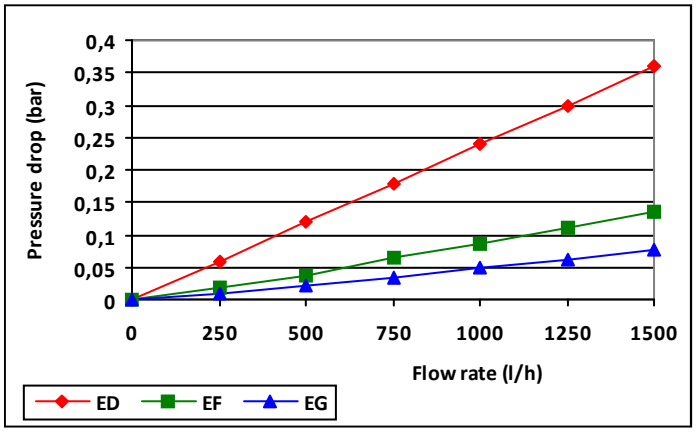
- max operating temperature	120 °C
- sterilization with steam	Continuously with cycles of 20 minutes at 121 °C
- sanitization with hot water	90 °C max
- sanitization with chemicals	Can be sanitized by standard chemical agent
- max differential pressure	5,0 bar a 25 °C
- recommended change out differential pressure	2,0 bar a 25 °C

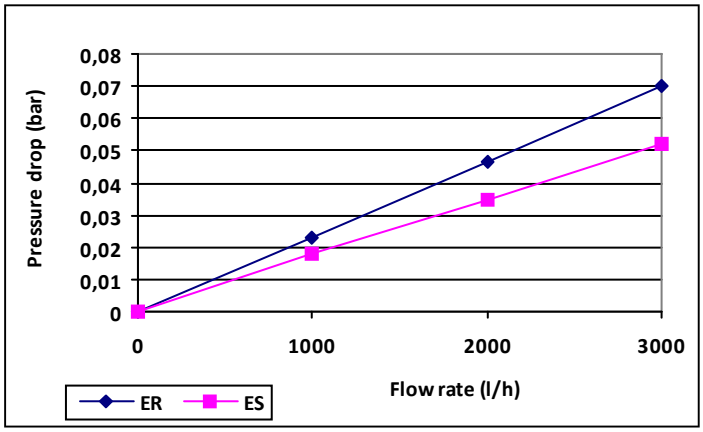
CODE	FILTRATION RATING (µm)	MAX FLOW RATE FOR 10" CARTRIDGE (l/h)
ED	0,5	400
EF	1	800
EG	3	3000
ER	5	3000
ES	10	3000
ET	20	3000
EV	40	3000

FILTER USAGE CHEMICAL COMPATIBILITY

- Acetyl acetate
- Acetone
- Benzene
- Butyl acetate
- Butyl alcohol
- Carbon tetrachloride
- Chloroform
- Cyclohexane
- Dimethysulfoxide
- Dioxane
- Ethanol
- Ether petroleum
- Ethyl acetate
- Ethylic ether
- Formaldehyde 30%
- Formic acid max 20%
- Glacial acetic acid
- Hexane
- Hydrofluoridric acid max 20%
- Hydrogen peroxide (30%)
- Isopropyl ether
- Kerosene
- Methyl acetate
- Methyl chloride
- Methylketone
- Phosphoric acid max 20%
- Silicon and mineral oils
- Sulphuric acid max 5N
- Tetrahydrofuran
- Tricloroetylene
- Toluene
- Xylene

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.	**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**

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

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

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

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

DS-PKE-722-UK-16

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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