

POLIXSTER ADM FREE

- Integrally made of Polyester
- High chemical compatibility
- High effective surface area
- High resistance to temperature
- Steamable and sanitizable
- EC and FDA-listed materials
- Materials without substances of animal origin (ADM FREE)



POLIXSTER ADM FREE 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, without substances of animal origin 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 ADM FREE filter element materials meet (EU) regulation 10/2011 and its amendments, regulations (EC) 1935/2004 and 1895/2005.

OPERATING CONDITIONS

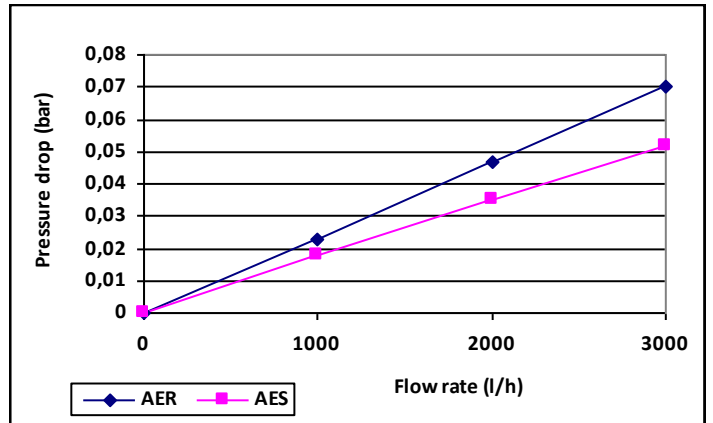
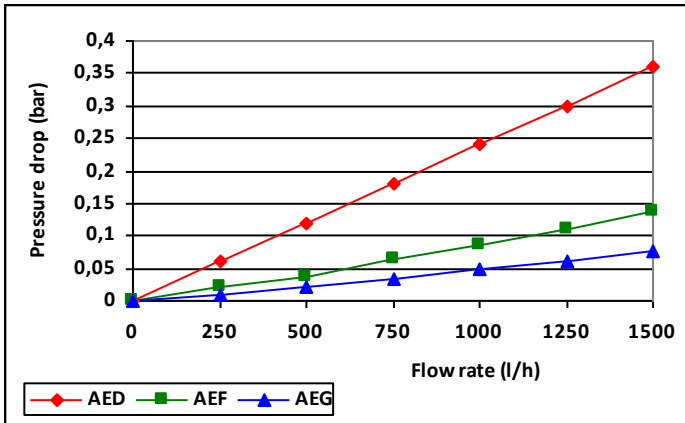
- max operating temperature	120 °C
- sterilization with steam	Continuously with cycles of 20 minutes at 121 °C
- sanitization with hot water	90 °C max
- sanitization with chemicals	Can be sanitized by standard chemical agent
- max differential pressure	5,0 bar a 25 °C
- recommended change out differential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

CODE	FILTRATION RATING (µm)	MAX FLOW RATE FOR 10" CARTRIDGE (l/h)
AED	0,5	400
AEF	1	800
AEG	3	3000
AER	5	3000
AES	10	3000
AET	20	3000
AEV	40	3000

FILTER USAGE CHEMICAL COMPATIBILITY AT ROOM TEMPERATURE

- Benzene
- Butyl acetate
- Butyl alcohol
- Carbon tetrachloride
- Cyclohexane
- Dioxane
- Ethanol
- Ether petroleum
- Ethylic ether
- Formaldehyde 30%
- Formic acid max 20%
- Hexane
- Hydrofluoric acid max 20%
- Hydrogen peroxide (30%)
- Methyl acetate
- Methylethylketone
- Phosphoric acid max 20%
- Silicon and mineral oils
- Sulphuric acid max 5N
- Tetrahydrofuran
- Xylene

WATER FLOW RATE FOR 10" CARTRIDGE



POLIXSTER ADM FREE ORDERING INFORMATION

PKEA - 207 1 -

AEF

PH

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END FITTING	CODE
DOE: double open end with flat gaskets.	200
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	AED
1	AEF
3	AEG
5	AER
10	AES
20	AET
40	AEV

CODE	O-RING	
NO CODE	Standard	Silicone
F *	On request	FEP
Z °	On request	Soft teflon

* Only for SOE
° Only for DOE

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

DESCRIPTION	CODE
Prefluxed with non-pyrogenic water; Quality Certification in the box	PH

DS-PKEA-722-UK-21

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.

Bea Technologies Spa

Via Newton,4 -20016 Pero (MILANO) Italy
Tel.+(39) 02 339271 / Fax+(39) 02 3390713
mail:info@bea-italy.com
web:www.bea-italy.com