MEM PES Cartridge filter

Specifications

Size, ”(inch):	10”, 20”, 30”, 40”
Filtration rating, µm:	0,05µ - 100µ (see table)
Flowrate, l/min:	-
Max. Temp. C°:	80° @ 1bar
Diff. Pressure:	4
Efficiency, %:	96,5% Avg
Connection:	DOE, 226
Material:	Polypropylene
O-ring:	
Approval(s):	BS6920, EC1935/2004, FDA

Suitable for steam sanitization up to 120°C and hot water cycles at up to 90°C

PES cartridges provide close to absolute filtration for an economic filter alternative in most critical and non-critical applications. Suitable for the filtration of aqueous and organic liquids, PES cartridges can be used as prefilters or final filters in the mentioned applications.

Constructed from pleated melt-blown filter media that provides removal of particles from 0,05µ to 100µ and are formed around a polypropylene core, with the media protected by a polypropylene cage and thermally welded end caps.
The thermally bonded cartridges as opposed to glued cartridges ensures no leaching of adhesives into the filter stream.

Particulate retention efficiency (%)									
Pore size	0,1µ	0,2µ	0,45µ	1µ	3µ	5µ	10µ	20µ	30µ
0,45µ	99,99	99,994	99,999	99,9993	99,99996	-	-	-	-
1µ	-	99,99	99,993	99,999	99,99996	-	-	-	-
3µ	-	-	99,991	99,995	99,9991	99,9999	99,99992	-	-
5µ	-	-	-	99,99	99,999	99,9994	99,9997	99,9999	-
10µ	-	-	-	-	99,99	99,999	99,9996	99,9997	99,9991
	Particle removal efficiencies are determined using AC fine test dust dispersed in water at a constant flow rate up to a differential pressure of 2,75bar								

Micron Ratings (µ)	0.1, 0.2, 0.45, 1, 3, 5, 10, 20, 30, 50, 100
Lengths (")	47/8, 93/4, 10, 20, 30, 40
Outer Diameter (")	2.7 (68.5mm)
Inner Diameter (")	1.2 (31.4mm)
Surface Area (m²)(per 10")	0.6
Maximum Operating Temperature (°C)	80 at 1 bar
Maximum Sterilising Temperature (°C)	120 max. 5 x 20 minute cycles
Maximum Operating Pressure Differential (bar)	4
Maximum Reverse Pressure Differential (bar)	2
Avg. Efficiency (%)	96.5