Technical Specification

Feature:	Benefit:
Perforated galvanised steel inner & outer support sleeves	Minimum pressure drop due to high flow throughput
Pre & After Filtration layer	Affords protection to main filtration medium for normal and reverse flow conditions
Multi-Wrap technology	High particle retention rate due to 40% penetration into media, minimising pressure drop
Up to 97% voids volume in borosilicate micro glass fibre	Increase service life with continued low differential pressure drop
Polyester Needle Felt Outer Sock	Can withstand temperatures up to 120ºC as a standard

Validation
Independent validation carried out by I.U.T.A. in Duisburg, Germany

Particle Retention Rate	
M25	25 micron
M5	5 micron
M1	1 micron
MX	0.01 micron
AC	0.003mg/m³

Initial DP	
M25	30 mbar
M5	40 mbar
M1	75 mbar
MX	100 mbar
AC	75 mbar

Technical Data

Materials:	
Support Sleeves - Inner & Outer	Galvanised Steel (Stainless Iron on MAC elements)
Pre & After Filtration Layer	Glass Scrim
Filtration Medium	Borosilicate Mirco Glass Fibre
End Caps	Glass Filled Nylon (33%)
End Cap Bonding	Two Part Epoxy Resin
0' Rings	High Nitrile as a standard

Oil Saturated DP	
M25	50 mbar
M5	75 mbar
M1	150 mbar
MX	300 mbar
AC	n/a

Maximum Burst Pressure
The element can withstand a maximum differential of 5 bar before bursting

Filter Grade	ISO 8573 Class	Solid Particles Max. number of particles per m³			Humidity & Liquid Water	Oil (including aerosol, liquid & vapour mg/m³)
		0.1 - 0.5	0.5 - 1.0	1.0 - 5.0	pressure dewpoint 0ºC	
Grade MX	1	100	1	0	-70	0,01
Grade M1	2	100.000	1.000	10	-40	0,1
Grade M5	3	n/a	10.000	500	-20	1
Grade M25	4	n/a	n/a	1.000	3	5

Filter Grade	Penetration to BS3928	Maximum Temperature	Initial DP
Grade MV	< 0,0001%	100°	35 mbar