

Tiger Filtration Ltd

The Only Real Alternative



Technical Specification - Standard Elements

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 Sleeve (Not on Activated Carbon grades)	Can withstand temperatures up to 120°C as a standard
Element burst pressure	5 Bar

Technical Data

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

Validation
Independently tested by I.U.T.A. in Duisburg, Germany, to ISO 8573 and ISO12500 quality standards

Element Grade & Particle Retention Rate		
M25	25 micron	- 75%
M5	5 micron	- 85%
M1	1 micron	- 99.999%
M0	0.1 micron	- 99.99998%
MX	0.01 micron	- 99.99999%
MXX	0.01 micron	- 99.99999%
AC	0.003mg/m ³	- n/a

Initial DP	
M25	30 mbar
M5	40 mbar
M1	75 mbar
M0	90 mbar
MX	100 mbar
MXX	120 mbar
AC	75 mbar

Oil Saturated DP	
M25	50 mbar
M5	75 mbar
M1	150 mbar
M0	220 mbar
MX	250 mbar
MXX	260 mbar
AC	n/a

Filter Grade	ISO 8573 Class	Solid Particles			Humidity & Liquid pressure dewpoint 0°C	Oil (including aerosol, liquid & vapour mg/m ³)
		0.1 - 0.5	0.5 - 1.0	1.0 - 5.0		
Grade MXX	1	100	1	0	-	0.01
Grade MX	1	100	1	0	-	0.01
Grade M0	1	100	1	0	-	0.01
Grade M1	2	100,000	1,000	10	-	0.1
Grade M5	3	n/a	10,000	500	-	1
Grade M25	4	n/a	n/a	1,000	-	5



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