

FILTER ELEMENT – AMEC-XS

AMEC series for AdsoMax AMC series filter housing
(Super-Fine filter – Particulate + Coalescing)



DESCRIPTION

XS grade filter elements have been specifically developed for high efficient removal of solid particles, oil aerosols and water from compressed air⁽¹⁾.

⁽¹⁾For any other technical gas please contact us or your local dealer

FILTER ELEMENT RATING ACCORDING TO ISO 8573-1

Solid particles class	Water class	Oil class
1	/	1

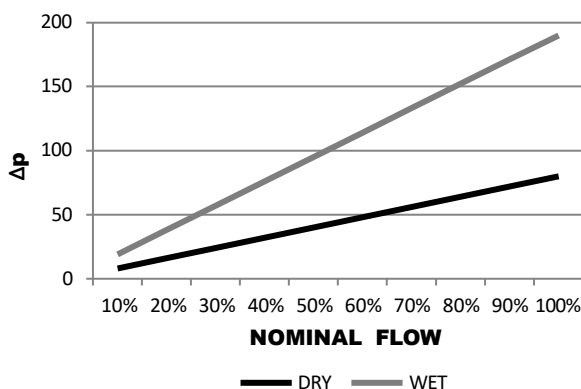
Validated according to ISO12500-1 and ISO12500-3

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C / 35 - 149 °F
Operating pressure	0 - 20 barg / 0 - 290 psi
Differential pressure (dry)	80 mbar / 1,160 psi
Differential pressure (wet)	190 mbar / 2,756 psi
Particle retention (nominal)	99,9999% (0,01 µm)
Particle retention rate ISO ⁽³⁾	99,998 %
Residual oil content ⁽⁴⁾	< 0,01 mg/m ³
Flow Direction	INSIDE to OUTSIDE
Capacity (ISO12500-2) ⁽⁵⁾	/

⁽³⁾Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 S, Most penetrating particle size MPPS 0,3mm

⁽⁴⁾Tested according to ISO12500-1, 06050 S, Oil aerosol viscosity 32mm²/s, inlet concentration 10mg/m³



MATERIALS

Filter media	Borosilicate micro fibers
Protection media	Polyester fleece
Drainage media	Polyester based polyurethane
Adsorption media	/
Support (inner-outer)	Stainless steel 1.4301
Bonding	Polyurethane
Endcaps	PA6 with 30% glass fibers
Sealing	NBR

SIZES

Model	Diameter [mm]	Height [mm]	Flow Capacity [Nm ³ /h]	Flow Capacity [scfm]	Fits into filter housing
AMEC-72XS	51	59	72	42	AMC-F72
AMEC-96XS	51	119	96	56	AMC-F96
AMEC-150XS	60	119	150	88	AMC-F150
AMEC-216XS	60	149	216	126	AMC-F216
AMEC-282XS	75	107	282	166	AMC-F282
AMEC-360XS	75	160	360	212	AMC-F360
AMEC-432XS	75	207	432	254	AMC-F432
AMEC-510XS	75	239	510	300	AMC-F510
AMEC-750XS	75	305	750	441	AMC-F750
AMEC-888XS	90	318	888	522	AMC-F888
AMEC-1176XS	90	436	1176	692	AMC-F1176
AMEC-1440XS	90	498	1440	847	AMC-F1440
AMEC-1968XS	140	506	1968	1158	AMC-F1968
AMEC-2760XS	140	577	2760	1624	AMC-F2760

CORRECTION FACTORS

To calculate the correct capacity of a given filter based on actual operating conditions, multiply the nominal flow capacity by the appropriate correction factor(s). CORRECTED CAPACITY = NOMINAL FLOW CAPACITY x C_{OP}

OPERATING PRESSURE

[bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
[psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232	247	261	276	290
C _{OP}	0,38	0,5	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13	2,25	2,38	2,50	2,63

MAINTENANCE

Replace filter element at least once per year or when pressure drop reaches 350mbar.

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2015	
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