

FILTER ELEMENT – AMEC-XR

AMEC series for AdsoMax AMC series filter housing
(Particulate)



DESCRIPTION

XR grade filter elements have been specifically developed for high efficient removal of solid particles and bulk liquid from compressed air⁽¹⁾. This type of filter is generally used as pre-filter for coalescing filter or dust removal filter after desiccant dryers or activated carbon towers.

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

FILTER ELEMENT RATING ACCORDING TO ISO 8573-1

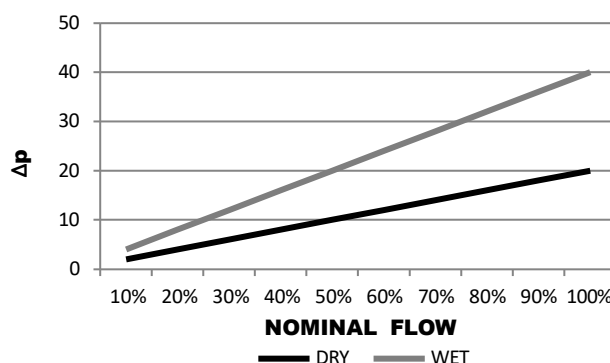
Solid particles class	Water class	Oil class
3	/	/

Validated according to ISO12500-3

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C / 35 - 149 °F
Operating pressure	0 - 20 barg / 0 - 290 psi
Differential pressure (dry)	20 mbar / 0,290 psi
Differential pressure (wet)	40 mbar / 0,580 psi
Particle retention (nominal)	99,9999% (1 µm)
Particle retention rate ISO ⁽³⁾	99,8 %
Residual oil content ⁽⁴⁾	/
Flow Direction	INSIDE to OUTSIDE
Capacity (ISO12500-2) ⁽⁵⁾	/

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



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-72P	51	59	72	42	AMC-F72
AMEC-96P	51	119	96	56	AMC-F96
AMEC-150P	60	119	150	88	AMC-F150
AMEC-216P	60	149	216	126	AMC-F216
AMEC-282P	75	107	282	166	AMC-F282
AMEC-360P	75	160	360	212	AMC-F360
AMEC-432P	75	207	432	254	AMC-F432
AMEC-510P	75	239	510	300	AMC-F510
AMEC-750P	75	305	750	441	AMC-F750
AMEC-888P	90	318	888	522	AMC-F888
AMEC-1176P	90	436	1176	692	AMC-F1176
AMEC-1440P	90	498	1440	847	AMC-F1440
AMEC-1968P	140	506	1968	1158	AMC-F1968
AMEC-2760P	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

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