FILTER ELEMENT – AMEC-A

AMEC series for AdsoMax AMC series filter housing

(Adsorption – Activated Carbon)

DESCRIPTION

A grade filter elements have been developed for high efficient removal of oil, hydrocarbons, vapours and odours from compressed air[1]. It is essential that coalescing filter element is installed as pre-filter to A grade filter.

[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*	/	0/1

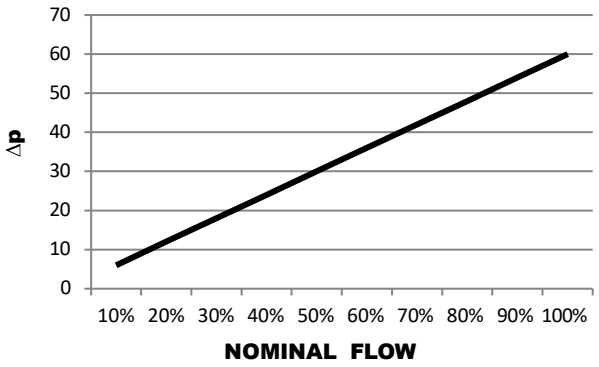
Validated according to ISO12500-2

* Valid if "S" filter cartridge is installed upstream

TECHNICAL SPECIFICATION

Operating temperature	1,5 - 45 °C / 35 - 113 °F
Operating pressure	0 - 20 barg / 0 - 290 psi
Differential pressure (dry)	60 mbar / 0,870 psi
Differential pressure (wet)	/
Particle retention (nominal)	/
Particle retention rate ISO[3]	/
Residual oil content[4]	< 0,005mg/m^3
Flow Direction	INSIDE to OUTSIDE
Capacity (ISO12500-2)[5]	20 min

[5]Tested according to ISO12500-2, 06050 A, tested with n-Hexane, test concentration 100mg/kg, 80% Saturation



MATERIALS

Filter media	Borosilicate micro fibers
Protection media	Polyester fleece
Drainage media	/
Adsorption media	Activated carbon granulate
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-72A	51	59	72	42	AMC-F72
AMEC-96A	51	119	96	56	AMC-F96
AMEC-150A	60	119	150	88	AMC-F150
AMEC-216A	60	149	216	126	AMC-F216
AMEC-282A	75	107	282	166	AMC-F282
AMEC-360A	75	160	360	212	AMC-F360
AMEC-432A	75	207	432	254	AMC-F432
AMEC-510A	75	239	510	300	AMC-F510
AMEC-750A	75	305	750	441	AMC-F750
AMEC-888A	90	318	888	522	AMC-F888
AMEC-1176A	90	436	1176	692	AMC-F1176
AMEC-1440A	90	498	1440	847	AMC-F1440
AMEC-1968A	140	506	1968	1158	AMC-F1968
AMEC-2760A	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 every 6 months.

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	