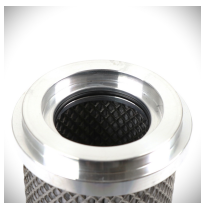
FILTER ELEMENT – ABAC Old



Alternative filter elements for Abac

Series: Multibrand Old

DESCRIPTION

ABAC old filter element have been developed for high efficiency removal of solid particles, oil aerosols, water, hydrocarbons, vapours and odours from compressed air.

FILTER ELEMENT RATING ACCORDING TO ISO 8573-1

Filtration grade	Solid particles class	Water class	Oil class
AQFC	6	/	/
AHFC	2	/	2
AEFC	1	/	1
ACFC	1*	/	0/1

Validated according to ISO12500-1, ISO12500-2 and ISO12500-3 * Valid if "XS" filter cartridge is installed upstream

TECHNICAL SPECIFICATION

	AQFC	AHFC	AEFC	ACFC
Operating temperature	1,5 - 65 °C/ 35 - 149 °F	1,5 - 65 °C/ 35 - 149 °F	1,5 - 65 °C/ 35 - 149 °F	1,5 - 45 °C/ 35 - 113 °F
Operating pressure	0 - 16 barg/ 0 - 232 psi	0 - 16 barg/ 0 - 232 psi	0 - 16 barg/ 0 - 232 psi	0 - 16 barg/ 0 - 232 psi
Differential pressure (dry)	10 mbar/ 0,145 psi	50 mbar/ 0,725 psi	80 mbar/ 1,160 psi	60 mbar/ 0,870 psi
Differential pressure (wet)	20 mbar/ 0,290 psi	120 mbar/ 1,740 psi	190 mbar/ 2,756 psi	/
Particle retention (nominal)	99,99% (3 µm)	99,9999% (0,1 µm)	99,9999% (0,01 µm)	/
Particle retention rate ISO(3)	95 %	99,98 %	99,998 %	/
Residual oil content(4)	/	< 0,1mg/m³	< 0,01mg/m³	< 0,005mg/m³
Flow Direction	INSIDE to OUTSIDE	INSIDE to OUTSIDE	INSIDE to OUTSIDE	INSIDE to OUTSIDE
Capacity (ISO12500-2)(5)	/	/	/	20 min

(3)Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 P, MPPS-(5µm) ; 06050 M, S, MPPS-(0,3µm)
(4)Tested according to ISO12500-1, 06050 M, S Oil aerosol viscosity 32mm²/s, inlet concentration 10mg/m³
(5)Tested according to ISO12500-2, 06050 A, tested with n-Hexane, test concentration 100mg/kg, 80% Saturation

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Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2015 and ISO 14001:2015.

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
[psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
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

MATERIALS

	MBP/P	MBM/XM	MBS/XS	MBA/A
Filter media	Acrylic fibers, cellulose	Borosilicate micro fibers	Borosilicate micro fibers	Borosilicate micro fibers
Protection media	Polyester fleece	Polyester fleece	Polyester fleece	Polyester fleece
Drainage media	/	Polyester needle felt	Polyester needle felt	/
Adsorption media	/	/	/	Activated carbon granulate
Support (inner-outer)	Stainless steel 1.4301	Stainless steel 1.4301	Stainless steel 1.4301	Stainless steel 1.4301
Bonding	Polyurethane	Polyurethane	Polyurethane	Polyurethane
Endcaps	PA6 with 30% glass fibers	PA6 with 30% glass fibers	PA6 with 30% glass fibers	PA6 with 30% glass fibers
Sealing	NBR	NBR	NBR	NBR

SIZES

Model*	Diameter [mm]	Height [mm]	Flow Capacity [Nm^3/h]	Flow Capacity [scfm]	Fits into filter housing
AB 60	51	60	60	35	60
AB 80	51	70	78	46	80
AB 120	51	140	120	71	120
AB 200	75	125	198	117	200
AB 340	75	225	335	197	340
AB 510	75	325	510	300	510
AB 800	75	505	780	459	800
AB 1000	90	510	996	586	1000
AB 1500	90	760	1500	883	1500
AB 2400	140	750	2400	1413	2400

*Filter cartridge names consist of cartridge size and filtration grade. Place filtration grade designation after filter size (e.g. OAB 60 MBP/P).

MAINTENANCE

AQF, AHF, AEF - Replace filter element at least once per year or when pressure drop reaches 350mbar ACF -

Replace filter element at least every 6 months

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Strength

- We export to almost 100 countries.
- We have more than 2000 global customers.
- We can provide a total filtration solution.

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