

FILTER ELEMENT - OBE

Alternative filter elements for Bea

DESCRIPTION

OBE filter elements have been developed for high efficient removal of solid particles, oil aerosols, water, hydrocarbons, vapours and odours from compressed air(1).

FILTER ELEMENT RATING ACCORDING TO ISO8573-1

Filtration grade	Solid particles class	Water class	Oil class
DA/VAC	/	/	/

*Validated according to ISO12500-1 and ISO12500-3

TEHNICAL SPECIFICATION

	DA/VAC (5)
Operating temperature	65
Operating pressure	/
Differential pressure (dry)	
Differential pressure (wet)	
Particle retention (nominal)	
Particle retention rate ISO (3)	
Residual oil content (4)	
Flow direction	

(3) Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 , MPPS - (5µm); 06050 , , MPPS - (0,3µm)

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

(5) Cross reference Omega Air – Bea filtration grades: VAC=DA/VAC=DA

MATERIALS

	DA/VAC
Filter media	
Drainage media	
Adsorption media	
Protection media	
Support	
Endcaps	Aluminium
Bonding	
Sealing	

SIZES

Model	Ø [mm]	Height [mm]
OBE ARV100	45	150
OBE ARV180	59	150
OBE ARV290	59	250
OBE ARV460	71.5	250
OBE ARV610	71.5	350
OBE ARV930	81.5	373
OBE ARV1050	81.5	473
OBE ARV2300	0	0

Ø - Diameter

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).

$$\text{CORRECTED CAPACITY} = \text{NOMINAL FLOW CAPACITY} \times \text{Cop}$$

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
Cop	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

MAINTENANCE

DA/VAC -

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Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2008
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