



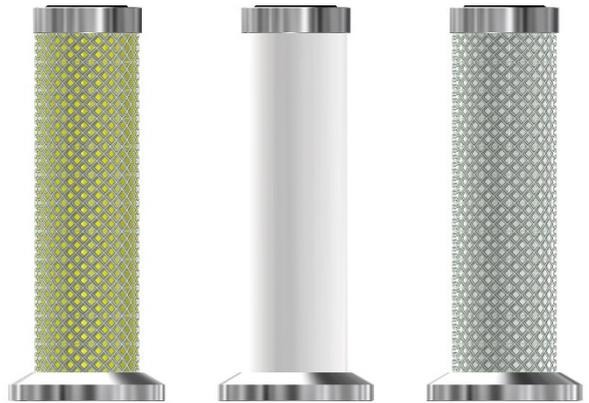
# FILTER ELEMENT - KAESER

Alternative filter elements for Kaeser

Series: Old

## DESCRIPTION

These filter elements have been developed for high efficient 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
E-B	6	/	/
E-C	3	/	/
E-E	2	/	2
E-F	1	/	1
E-G	1*	/	0/1

Validated according to ISO12500-1, ISO12500-2 and ISO12500-3

## TECHNICAL SPECIFICATION

	E-B	E-C	E-E	E-F	E-G
Operating temperature	1,5 - 65 °C/ 35 - 149 °F	1,5 - 45 °C/ 35 - 113 °F			
Operating pressure	0 - 16 barg/ 0 - 232 psi				
Differential pressure (dry)	10 mbar/ 0,145 psi	20 mbar/ 0,290 psi	50 mbar/ 0,725 psi	80 mbar/ 1,160 psi	60 mbar/ 0,870 psi
Differential pressure (wet)	20 mbar/ 0,290 psi	40 mbar/ 0,580 psi	120 mbar/ 1,740 psi	190 mbar/ 2,756 psi	/
Particle retention (nominal)	99,99% (3 µm)	99,9999% (1 µm)	99,9999% (0,1 µm)	99,9999% (0,01 µm)	/
Particle retention rate ISO <sup>(3)</sup>	95 %	99,8 %	99,98 %	99,9994 %	/
Residual oil content <sup>(4)</sup>	/	/	< 0,1mg/m <sup>3</sup>	< 0,01mg/m <sup>3</sup>	< 0,005mg/m <sup>3</sup>
Flow Direction	INSIDE to OUTSIDE				
Capacity (ISO12500-2) <sup>(5)</sup>	/	/	/	/	20 min

<sup>(3)</sup>Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 P, MPPS-(5µm) ; 06050 R, M, S, MPPS-(0,3µm)

<sup>(4)</sup>Tested according to ISO12500-1, 06050 M, S Oil aerosol viscosity 32mm<sup>2</sup>/s, inlet concentration 10mg/m<sup>3</sup>

<sup>(5)</sup>Tested according to ISO12500-2, 06050 A, tested with n-Hexane, test concentration 100mg/kg, 80% Saturation

## 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<sub>OP</sub>

### 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 <sub>OP</sub>	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

	E-B	E-C	E-E	E-F	E-G
Filter media	Acrylic fibers, cellulose	Borosilicate micro fibers	Borosilicate micro fibers	Borosilicate micro fibers	Borosilicate micro fibers
Protection media	Polyester fleece				
Drainage media	/	Polyester needle felt	Polyester needle felt	Polyester needle felt	/
Adsorption media	/	/	/	/	Activated carbon granulate
Support (inner-outer)	Stainless steel 1.4301				
Bonding	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane
Endcaps	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Sealing	NBR	NBR	NBR	NBR	NBR

## SIZES

Model*	Diameter [mm]	Height [mm]	Flow Capacity [Nm <sup>3</sup> /h]	Flow Capacity [scfm]	Fits into filter housing
KA 6	60	50	35	20	Grade-6
KA 10	60	91	60	35	Grade-10
KA 18	60	152	105	61	Grade-18
KA 28	60,5	168	170	100	Grade-28
KA 48	60,5	276	290	170	Grade-48
KA 71	68	337	425	250	Grade-71
KA 107	68	450	640	376	Grade-107
KA 138	82,5	518	825	485	Grade-138
KA 177	82,5	665	1060	623	Grade-177
KA 221	82,5	820	1325	779	Grade-221
KA 185	82,5	674	1110	653	Grade-0185
KA 283	82,5	527	1700	1000	Grade-283

\*Filter cartridge names consist of cartridge size and filtration grade. Place filtration grade designation after filter size (e.g. OKA 6 E-B/P AI).

## MAINTENANCE

E-B, E-C, E-E, E-F - Replace filter element at least once per year or when pressure drop reaches 350mbar

E-G - Replace filter element at least every 6 months



## Strength

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

- Filter-Online & Nordic Filtration offers a wide selection of filtration products for Domestic and Industrial Application.

- You can buy our products on our websites or by contacting us by phone or e-mail. Information about our products as well as brochures and manuals can be found on our websites:

[www.filter-online.com](http://www.filter-online.com) for Domestic Products

[nordicfiltration.com](http://nordicfiltration.com) for Industrial Products

We distribute many of our products from our stock in Denmark. Some products are shipped from remote stock.



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