

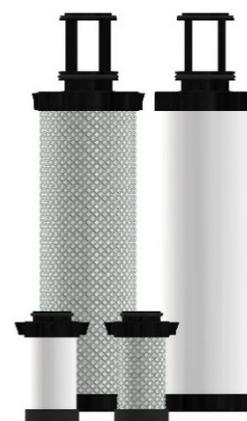
# FILTER ELEMENT – Compar Gen 4

Alternative filter elements for Compar

Series: CF\_N Series

## 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
B+E	3	/	/
C+F	1	/	1
D	1*	/	0/1

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

\* Valid if "XS" filter cartridge is installed upstream

## TECHNICAL SPECIFICATION

	B+E	C+F	D
Operating temperature	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
Differential pressure (dry)	20 mbar/ 0,290 psi	80 mbar/ 1,160 psi	60 mbar/ 0,870 psi
Differential pressure (wet)	40 mbar/ 0,580 psi	190 mbar/ 2,756 psi	/
Particle retention (nominal)	99,9999% (1 µm)	99,9999% (0,01 µm)	/
Particle retention rate ISO <sup>(3)</sup>	99,8 %	99,9994 %	/
Residual oil content <sup>(4)</sup>	/	< 0,01mg/m <sup>3</sup>	< 0,005mg/m <sup>3</sup>
Flow Direction	INSIDE to OUTSIDE	INSIDE to OUTSIDE	INSIDE to OUTSIDE
Capacity (ISO12500-2) <sup>(5)</sup>	/	/	20 min

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

<sup>(4)</sup>Tested according to ISO12500-1, 06050 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%

## 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

	B+E	C+F	D
Filter media	Borosilicate micro fibers	Borosilicate micro fibers	Borosilicate micro fibers
Protection media	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
Bonding	Polyurethane	Polyurethane	Polyurethane
Endcaps	PA6 with 30% glass fibers	PA6 with 30% glass fibers	PA6 with 30% glass fibers
Sealing	NBR	NBR	NBR

## SIZES

Model*	Diameter [mm]	Height [mm]	Flow Capacity [Nm <sup>3</sup> /h]	Flow Capacity [scfm]	Fits into filter housing
0006	36,5	70	36	21	CF0006N
0012	48	91	72	42	CF0012N
0018	48	111	108	64	CF0018N
0036	68	131	216	427	CF0036N
0066	68	220	396	223	CF0066N
0096	90	268	576	339	CF0096N
0132	90	305	792	466	CF0132N
0198	90	358	1188	699	CF0198N
0258	108	458	1548	911	CF0258N
0372	108	648	2232	1314	CF0372N
0600F	86	635	3600	2119	CF0600N F
0258F	114	415	1548	911	CF0258N F
0372F	114	635	2232	1314	CF0372N F

\*Filter cartridge names consist of cartridge size and filtration grade. Place filtration grade designation after filter size (e.g. OCOE 0006 B+E).

## MAINTENANCE

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

D - Replace filter element at least every 6 months