



FILTER ELEMENT – SULLAIR

Alternative filter elements for Sullair

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
SCF	3	/	3
SCH	1	/	1
SCC	1*	/	0/1

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

TECHNICAL SPECIFICATION

	SCF	SCH	SCC
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 ⁽³⁾	99,8 %	99,998 %	/
Residual oil content ⁽⁴⁾	/	< 0,01mg/m ³	< 0,005mg/m ³
Flow Direction	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 R, 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

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

	SCF	SCH	SCC
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 ³ /h]	Flow Capacity [scfm]	Fits into filter housing
SU 20	37	70	36	21	20
SU 40	48	91	72	42	40
SU 65	48	111	108	64	65
SU 125	68	131	216	127	125
SU 235	68	220	396	233	235
SU 340	90	268	576	339	340
SU 465	90	305	792	466	465
SU 700	90	358	1188	699	700
SU 910	108	458	1548	911	910
SU 1315	108	648	2232	1314	1315
SU 2120	86	635	3600	2119	2120

*Filter cartridge names consist of cartridge size and filtration grade. Place filtration grade designation after filter size (e.g. SU 20 SCF).

MAINTENANCE

SCF, SCH - Replace filter element at least once per year or when pressure drop reaches 350mbar

SCC - 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 for Domestic Products

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



Filter-Online & Nordic Filtration ApS
Glasvænget 6
5492 Vissenbjerg
Denmark

Filter-Online
+45 70 40 42 22
info@filter-online.com
www.filter-online.com

Nordic Filtration
+45 72 25 10 00
info@nordicfiltration.com
nordicfiltration.com