

# FILTER ELEMENT – XS

Series: AF and AAF Series

(Super-Fine filter – Particulate + Coalescing)



## DESCRIPTION

XS grade filter elements have been specifically developed for high efficient removal of solid particles, oil aerosols and water from compressed air<sup>(1)</sup>.

<sup>(1)</sup>For any other technical gas please contact us or your local dealer

## FILTER ELEMENT RATING ACCORDING TO ISO 8573-1

Solid particles class	Water class	Oil class
1	/	1

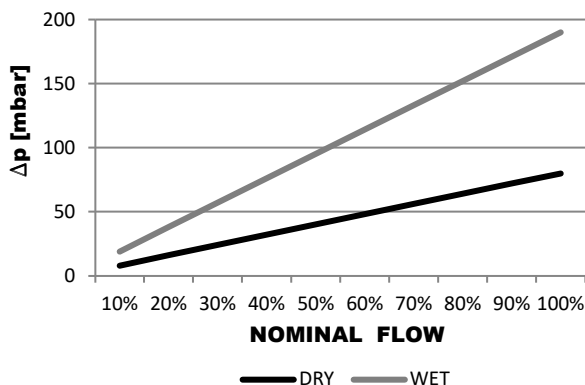
Validated according to ISO12500-1 and ISO12500-3

## TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C / 35 - 149 °F
Operating pressure	0 - 16 barg / 0 - 232 psi
Differential pressure (dry)	80 mbar / 1,160 psi
Differential pressure (wet)	190 mbar / 2,756 psi
Particle retention (nominal)	99,9999% (0,01 µm)
Particle retention rate ISO <sup>(3)</sup>	99,998 %
Residual oil content <sup>(4)</sup>	< 0,01 mg/m <sup>3</sup>
Flow Direction	INSIDE to OUTSIDE
Capacity (ISO12500-2) <sup>(5)</sup>	/

<sup>(3)</sup>Tested according to ISO12500-3, 1bar(a), nominal flow, 06050 S, Most penetrating particle size 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>



## MATERIALS

Filter media	Borosilicate micro fibers
Protection media	Polyester fleece
Drainage media	Needle felt
Adsorption media	/
Support (inner-outer)	Stainless steel 1.4301
Bonding	Polyurethane
Endcaps	PA6 with 30% glass fibers or aluminium
Sealing	NBR

**SIZES**

Model	Diameter [mm]	Height [mm]	Flow Capacity [Nm <sup>3</sup> /h]	Flow Capacity [scfm]	Fits into filter housing
03528 XS	28	35	10	6	AAF 0006
05528 XS	28	55	18	11	AAF 0016
03844 XS	44	38	25	15	AAF 0026
03844 XS	44	38	30	18	AAF 0036
06050 XS	51	60	35	22	AAF 0046
06050 XS	51	60	60	35	AF & AAF 0056
07050 XS	51	70	78	46	AF & AAF 0076
14050 XS	51	140	120	70	AF & AAF 0106
12075 XS	75	125	198	116	AF & AAF 0186
22075 XS	75	225	335	197	AF & AAF 0306
32075 XS	75	325	510	300	AF & AAF 0476
50075 XS	75	505	780	459	AF & AAF 0706
51090 XS	90	510	1000	588	AF 0946
76090 XS	90	760	1500	882	AF 1506
76090 XS	90	760	1680	990	AF 1756
51140 XS	140	510	2160	1270	AF 2006
75140 XS	140	750	2760	1620	AF 2406

**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

**MAINTENANCE**

Replace filter element at least once per year or when pressure drop reaches 350mbar.

**INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE**

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