

# FILTER ELEMENT – As

Series: AFsFC and AAFsFC Series

(Adsorption – Activated Carbon – Silicon free)



## DESCRIPTION

As grade filter elements have been specifically developed for applications in paint industry. Quantity of substances that could cause impairments in paint wetting applications or cause defects in paint work are kept to a minimum.

## FILTER ELEMENT RATING ACCORDING TO ISO 8573-1

Solid particles class	Water class	Oil class
1*	/	0/1

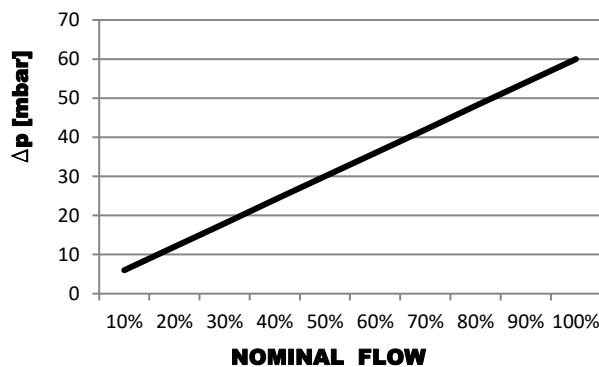
Validated according to ISO12500-2

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

## TECHNICAL SPECIFICATION

Operating temperature	1,5 - 45 °C / 35 - 113 °F
Operating pressure	0 - 16 barg / 0 - 232 psi
Differential pressure (dry)	60 mbar / 0,870 psi
Differential pressure (wet)	/
Particle retention (nominal)	/
Particle retention rate ISO <sup>(3)</sup>	/
Residual oil content <sup>(4)</sup>	< 0,005mg/m <sup>3</sup>
Flow Direction	INSIDE to OUTSIDE
Capacity (ISO12500-2) <sup>(5)</sup>	20 min

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



## MATERIALS

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



**FLOTECH**  
Compressor & Vacuum Parts Ltd

**SIZES**

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

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

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