

# FILTER HOUSING - AF



## DESCRIPTION

AF filter housings have been specifically developed for high efficient removal of solid particles, water, oil aerosols, hydrocarbons, odour and vapours from compressed air<sup>(1)</sup> systems. To meet the required compressed air quality appropriate filter element (B, P, R, M, S, A, A<sup>2</sup>, H<sup>2</sup>) must be installed into filter housing.

## APPLICATIONS<sup>(2)</sup>

- General industrial application
- Automotive
- Electronics
- Food & Beverage
- Chemical
- Petrochemical
- Plastics
- Paint

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

<sup>(2)</sup>AF filter housing can be used in variety of applications. For applications not listed please contact us or your local dealer.

## FILTER HOUSING RATING ACCORDING TO ISO8573-1

Solid particles	Water	Oil
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## TECHNICAL SPECIFICATION

Operating temperature	1,5 - 65 °C	35 - 149 °F
Operating pressure	0 - 16 bar(g)	0 - 232 psi

## MATERIALS

Housing material	Aluminum
Fittings, Screws	Brass, Brass-zinc plated, Steel
Cover	ABS
Sealing	NBR
Corrosion protection	Anodized (optional)
Outside protection	Powder paint coated (Epoxy-polyester base)
Lubricant	Shell cassida grease RLS 2

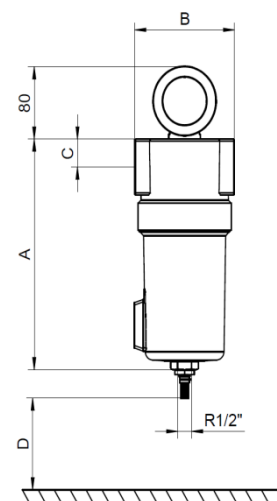
**SIZES**

FILTER HOUSING	PIPE SIZE [inch]	FILTER ELEMENT	FLOW CAPACITY		DIMENSIONS [mm]				VOLUME [l]	WEIGHT [kg]
			[Nm <sup>3</sup> /h]	[scfm]	A	B	C	D		
AF 0056	3/8"	06050	60	35	187	88	20	60	0,47	0,7
AF 0076	1/2"	07050	78	46	187	88	20	60	0,47	0,7
AF 0106	3/4"	14050	120	70	257	88	20	80	0,6	0,8
AF 0186	1"	12075	198	116	263	125	32	100	1,57	1,8
AF 0306	1"	22075	335	197	363	125	32	120	2,2	2,5
AF 0476	1 1/2"	32075	510	300	461	125	32	140	2,8	2,5
AF 0706	1 1/2"	50075	780	459	640	125	32	160	3,9	3,2
AF 0946	2	51090	1000	588	684	163	43	520	6,0	5,1
AF 1506	2	76090	1500	882	935	163	43	770	9,1	7,1
AF 1756	2 1/2"	76090	1680	990	935	163	43	770	9,1	6,9
AF 2006	3"	51140	2160	1270	795	240	59	630	20,0	12,9
AF 2406	3"	75140	2760	1620	1000	240	59	780	24,4	14,0

Flow capacity at 7 bar(g), 20°C

**PRESSURE EQUIPMENT DIRECTIVE PED 97/23/CE (Fluid group 2)**

AF 0056 - AF 0476	Not required
AF 0706 - AF 1506	Category 1, Module A
AF 1756 - AF 2406	Category 2, Module H



**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 12 months or follow the instructions for specific filter element. Change the sealing when you disassemble filter housing. Once per year make a visual check of filter housing and make sure there is no visual damage.

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

	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2008 Reg. number: 200285
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