

FILTER HOUSING – AF O2 - Oxygen

DESCRIPTION

AF O2 series of filter housings have been specifically developed for high efficient removal of solid particles from compressed Oxygen applications.

APPLICATIONS ⁽¹⁾

- General industrial application
- Medical
- Food and beverage
- Petrochemical
- Waste water treatment

⁽¹⁾ AF O2 filter housing can be used in variety of applications. For applications not listed please contact us or your local dealer.



TECHNICAL SPECIFICATION

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

MATERIALS

Housing material	Aluminium
Fittings, Screws	Brass, Brass-zinc plated, Steel
Cover	PA6
Sealing	FKM
Corrosion protection	Anodized
Outside protection	Powder paint coated (Epoxy-polyester base)
Lubricant	Berulub OX 40 EP (Oxygen compatible)

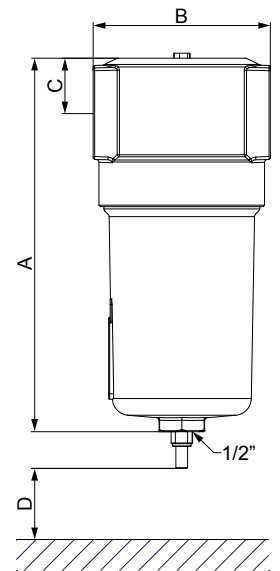
SIZES

FILTER HOUSING	PIPE SIZE [inch]	FILTER ELEMENT	FLOW CAPACITY		DIMENSIONS [mm]				VOLUME [l]	WEIGHT [kg]
			[Nm ³ /h]	[scfm]	A	B	C	D		
AF 0056 O2	3/8"	06050	60	35	192	88	25	60	0,49	0,6
AF 0076 O2	1/2"	07050	78	46	192	88	25	60	0,49	0,6
AF 0106 O2	3/4"	14050	120	70	262	88	25	80	0,68	0,7
AF 0186 O2	1"	12075	198	116	264	125	39	100	1,57	1,2
AF 0306 O2	1"	22075	335	197	364	125	39	120	2,1	1,6
AF 0476 O2	1 1/2"	32075	510	300	464	125	39	140	2,7	1,9
AF 0706 O2	1 1/2"	50075	780	459	644	125	39	160	3,8	2,6
AF 0946 O2	2	51090	1000	588	696	164	50	520	6,1	5,7
AF 1506 O2	2	76090	1500	882	943	164	50	770	8,3	7,6
AF 1756 O2	2 1/2"	76090	1680	990	943	164	50	770	8,4	7,3
AF 2006 O2	3"	51140	2160	1270	801	242	60	630	16,7	14,1
AF 2406 O2	3"	75140	2760	1620	998	242	60	780	21,3	16,7

Flow capacity at 7 bar(g), 20°C
Standard is BSP pipe connection, other pipe connection on request.

PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU (Fluid group 1)

AF 0056 O2 - AF 0106 O2	Article 4.3
AF 0186 O2 - AF 0476 O2	Category 1, Module H
AF 0706 O2 - AF 1756 O2	Category 2, Module H
AF 2006 O2 - AF2406 O2	Category 3, 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_{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

MAINTENANCE

Replace filter element at least every 12 months or follow the instructions for specific filter element. Once per year make a visual check of filter housing and make sure there is no visual damage.

Warning – Use oxygen compatible lubricant grease only!

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 Reg. number: 200285
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