

# FILTER HOUSING – CF

## DESCRIPTION

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

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

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



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

<sup>(2)</sup> CF 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 - 20 bar(g)	0 - 290 psi

## MATERIALS

Housing material	Aluminium
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		
CF 20	3/8"	20 C	72	42	187	88	20	80	0,47	0,7
CF 21	1/2"	21 C	96	56	256	88	20	80	0,6	0,8
CF 30	1/2"	30 C	150	88	278	106	25	100	1,2	1,3
CF 31	3/4"	31 C	216	127	278	106	25	100	1,2	1,3
CF 40	1"	40 C	282	166	252	125	32	120	1,57	2,1
CF 41	1"	41 C	360	212	352	125	32	140	2,2	2,4
CF 42	1 1/4"	42 C	432	254	352	125	32	140	2,2	2,4
CF 43	1 1/2"	43 C	510	300	450	125	32	160	3,0	3,2
CF 44	1 1/2"	44 C	750	441	450	125	32	160	3,0	3,2
CF 50	2	50 C	888	522	605	160	43	180	6,0	5,1
CF 51	2	51 C	1176	692	605	160	43	180	6,0	5,1
CF 52	2 1/2"	52 C	1440	847	685	160	43	200	6,5	6,3
CF 60	3"	60 C	1968	1158	800	240	55	300	19	12,9
CF 61	3"	61 C	2760	1624	800	240	55	300	19	12,9

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 2)**

CF 20 - CF 42	Article 4.3
CF 43 - CF 52	Category 1, Module H
CF 60 - CF 61	Category 2, Module H

**PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU (Fluid group 1)<sup>(3)</sup>**

CF 20 - CF 31	Article 4.3
CF 40 - CF 42	Category 1, Module H
CF 43 - CF 52	Category 2, Module H
CF 60 - CF 61	Category 3, Module H

<sup>(3)</sup> Fluid group must be specified in the order, if not standard fluid group 2 is selected.

**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>

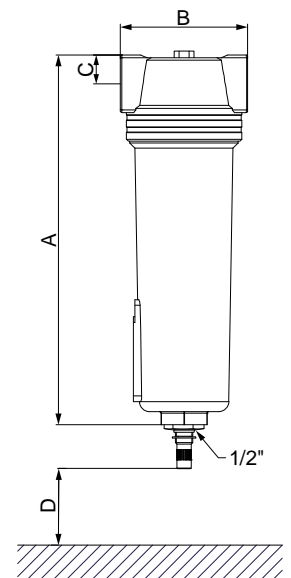
**OPERATING PRESSURE**


[bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
[psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232	247	261	276	290
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	2,25	2,38	2,50	2,63

**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.

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	Our quality management system is certified by BUREAU VERITAS in conformity with ISO 9001:2015 Reg. number: 200285
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