FILTER HOUSING – BFFC

DESCRIPTION

BFFC welded filter housings have been developed for high efficient removal of solid particles, water, oil aerosols, hydrocarbons and odour vapours from large compressed air [1] systems. To meet the required compressed air quality appropriate filter element must be installed into filter housing.

APPLICATIONS [2]

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

(1) For any other technical gas please contact us or your local dealer

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

TECHNICAL SPECIFICATION

Operating temperature [3]	-20 - 120 °C	-4 - 248 °F
Operating pressure	0 - 16 bar(g)	0 - 232 psi

3) Actual operating temperature depends on sealing material and type of filter element.

MATERIALS

Housing material	Carbon steel
Fittings, Screws	Brass, Brass-zinc plated, Steel
Sealing	Aramid fibre with a nitrile rubber binder
Corrosion protection (internal)	Epoxy coat
Outside protection	Powder paint coated (Epoxy-polyester base)
Lubricant	Shell cassida grease RLS 2

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SIZES

FILTER HOUSING	CONN. SIZE [DN]	FILTER ELEMENT	FLOW CAPACITY		DIMENSIONS [mm]					VOLUME	WEIGHT
			[Nm³/h]	[scfm]	A	B	C	D	E	[l]	[kg]
BFFC 0240	80	1 x 76090	1680	989	1145	450	1640	219	157	38	71
BFFC 0300	100	2 x 76090	3150	1853	1330	560	1780	324	208	100	110
BFFC 0450	125	3 x 76090	4700	2765	1330	560	1780	324	206	100	115
BFFC 0600	150	4 x 76090	6300	3706	1360	620	1780	368	241	125	154
BFFC 0900	150	6 x 76090	9400	5530	1420	680	1810	405	261	168	195
BFFC 1200	200	8 x 76090	12550	7382	1850	792	525	508	-	283	340
BFFC 1500	200	10 x 76090	15700	9235	1890	918	545	610	-	411	497
BFFC 1800	250	12 x 76090	18850	11088	1920	955	555	610	-	428	367
BFFC 2500	250	16 x 76090	25100	14765	2030	1042	685	711	-	614	643
BFFC 3000	300	20 x 76090	31400	18481	2130	1085	680	711	-	663	656

Flow capacity at 7 bar(g), 20°C
Standard is connection flange EN 1092-1/01 PN16, flange connection ANSI B16.5 is on request.

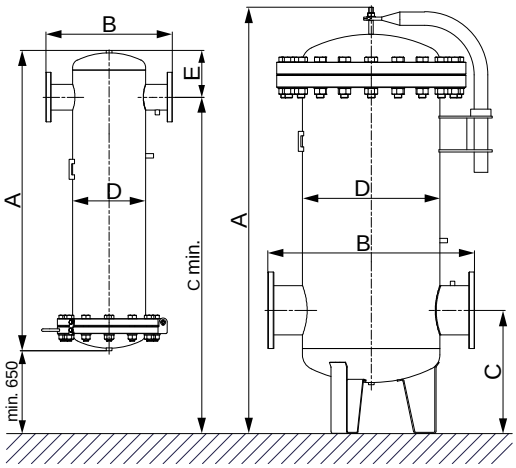
PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU (Fluid group 2)

BFFC 0240	Category 2, Module H
BFFC 0300 - BFFC 0900	Category 3, Module H1
BFFC 1200 - BFFC 3000	Category 4, Module H1

PRESSURE EQUIPMENT DIRECTIVE PED 2014/68/EU (Fluid group 1)[4]

BFFC 0240	Category 3, Module H
BFFC 0300 - BFFC 3000	Category 4, Module H1

[4]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_{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.

INFORMATION IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE

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

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