

Bag Filter Housings (BFG-Series)

In the filtration with bag filter housings of the **BFG-series** the medium to be filtered passes the lateral inlet to reach the filter bag in the basket, where the dirt/solid is retained. The cleaned filtrate exits the housing through the exit in the bottom.

The series **BFG-1** and **BFG-2** stand out due to their lightweight construction, polished surfaces and a clamp for the fast-closing lid. They can be used in a range of up to 8 bar operating pressure. A more stable construction with hinged cover (eyebolts and ring nut) for operating pressures of up to 10 bar and alternatively even up to 16 bar is also available.

The series **BFG-0** and **BFG-X0** are designed for smaller flow rates. The housings are also equipped with a fast-closing lid. They can be used up to an operating pressure of 10 bar.

As a further design we also have a variant of the **BFG-2** series. This variant is characterized by a solid construction as well as by the easy-to-use hinged cover made from cast iron. The cover is also fastened through eyebolts and ring nuts. This series is designed for operating pressures of up to 10 bar and is also available in the material stainless steel 1.4301.

All series **BFG-1** and **BFG-2** are supplied as standard with pedestal.

Basically, all series can also be supplied as double filter systems for higher throughput volumes as well as with shift mechanism for a continuous filtration.

Of course various special constructions (e.g. connections one below the other, connections turned to each other, screwed pipe connection according to DIN 11 851) are also possible.

All models are made under the Pressure Equipment Directive 97/23/EG Article 3 Paragraph 3 Good Engineering Practice. The housings can be operated with all kinds of liquids that belong to group 2 (Article 3) as long as a steam pressure of 0.5 bar is not exceeded. (Hinged cover versions are manufactured in accordance with category I, module A or category II, module A1)



Basket filter housings

All series can alternatively be operated with a basket instead of a filter bag.

The basket is lined with a stainless steel mesh. This stainless steel mesh is available in a fineness of 50 to 800 µm.

In this pure surface filtration the baskets are easy to clean.

When placing your order please state the series **SFG** instead of **BFG**. Moreover, you have to specify your desired filter fineness at the end of the designation.



Voigt GmbH
Filz- und Filtertechnik
P.O. Box 11 68
73241 WERNAU, GERMANY

Phone +49 (0)7153 30506-0
Telefax +49 (0)7153 30506-30
E-mail info@voigtfilter.de
Internet http://www.voigtfilter.de

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Bag Filter Housings (BFG-Series)

Applications

- ✓ Water treatment
- ✓ Chemical industry
- ✓ Pharmaceutical industry
- ✓ Cosmetics industry
- ✓ Surface treatment
- ✓ Beverage and food industry
- ✓ Electronics industry
- ✓ Paint and coatings industry
- ✓ Adhesives, resins, waxes
- ✓ Petrochemistry

Technical information

Operating temperature: The maximum operating temperature of the bag filter housings depends on the sealing material and filter bag used.

Type	Material	Sealing material	Connections (inlet and outlet)	Connections (de-aeration)	Operating pressure (bar)	Max. output (m ³ /h)
BFG-0	V4A	P, E, V, F	1 1/2" IG	1/4"	10	6
BFG-X0	V4A	P, E, V, F	1 1/2" IG	1/4"	10	12
BFG-X0 (KD)	V4A	P, E, V, F	1 1/2" IG	1/4"	20	12
BFG-1	V4A	P, E, V, F	2" IG	3/8"	8	18
BFG-1 DN ...	V4A	P, E, V, F	DN 50, 65, 80	3/8"	8	18
BFG-1 (KD)	V4A	P, E, V, F	2" IG	3/8"	10 / 16	18
BFG-1 DN ... (KD)	V4A	P, E, V, F	DN 50, 65, 80	3/8"	10 / 16	18
BFG-1 DN ... (GD)	V2A, V4A	P, E, V, F	DN 50	1/4"	10	18
BFG-2	V4A	P, E, V, F	2" IG	3/8"	8	35
BFG-2 DN ...	V4A	P, E, V, F	DN 50, 65, 80	3/8"	8	35
BFG-2 (KD)	V4A	P, E, V, F	2" IG	3/8"	10 / 16	35
BFG-2 DN ... (KD)	V4A	P, E, V, F	DN 50, 65, 80	3/8"	10 / 16	35
BFG-2 DN ... (GD)	V2A, V4A	P, E, V, F	DN 50, 80	1/4"	10	35

Legend:

V2A = Stainless steel 1.4301
 V4A = Stainless steel 1.4401 / 1.4571
 IG = Internal thread
 DN = Flange acc. DIN 2633

P = Perbunan (NBR) max. 100°C
 E = EPDM max. 150°C
 V = Viton (FPM) max. 200°C
 F = FEP-coated max. 205°C

Ordering information

Series	Material	Sealing	Connection	Version
BFG-2	V4A	P	DN 50	KD10



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