## **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 easyto-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.



## 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  $\mu$ m.

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.

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)



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## **Bag Filter Housings (BFG-Series)**

	Applications								
$\checkmark$	Water treatment	$\checkmark$	Beverage and food industry						
$\checkmark$	Chemical industry	$\checkmark$	Electronics industry						
$\checkmark$	Pharmaceutical industry	$\checkmark$	Paint and coatings industry						
$\checkmark$	Cosmetics industry	$\checkmark$	Adhesives, resins, waxes						

- ✓ Surface treatment
- Technical information

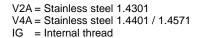
 $\checkmark$ 

Petrochemistry

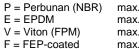
<u>Operating temperature</u>: The maximum operating temperature of the bag filter housings depends on the sealing material and filter bag used.

Туре	Material	Sealing material	Connections (inlet and out- let)	Connections (de-aeration)	Operating pressure (bar)	Max. output (m³/h)
BFG-0	V4A	P, E, V, F	1 ½" IG	1/4"	10	6
BFG-X0	V4A	P, E, V, F	1 ½" IG	1/4"	10	12
BFG-X0 (KD)	V4A	P, E, V, F	1 ½" 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

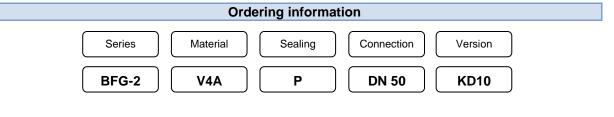
Legend:



DN = Flange acc. DIN 2633



max. 100°C max. 150°C max. 200°C max. 205°C





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