

# 3M™ BH Series ASME Code Bag Housings

3M™ BH Series housings, for use with conventional bag filters or 3M DF Series filter elements, are available in single filter element configurations for either #1 or #2 filter sizes. The BH Series housings, offered in either side (Model 1BHS) or top entry (Model 1BST) flow paths, are constructed with carbon steel or 316L Stainless Steel. The BH Series also offers a choice of either flange (Model 1BHT) or NPT (Model 1BHS) inlet and outlet connections. All BH Series housings include either a bag filter or a 3M DF element 316 stainless steel filter support basket. The housings are rated to a maximum allowable working pressure of 150 psi @ 300°F and are manufactured and stamped to comply with the ASME code. Housing installation in new or existing systems is simplified by the band clamp legs which can accommodate up to a 12 inch adjustment in floor to outlet height.

## 3M™ BH Series Filter Housing Specifications

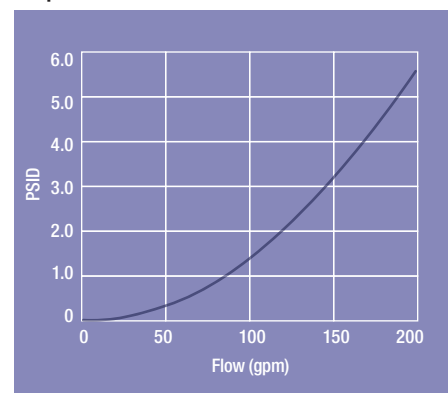
Specification	Housing Size	
Material	#1	#2
Material	Carbon Steel & 316L SS	
Gasket(s)	Nitrile Standard	
Connection Size/Type	2" ANSI Flange or NPT	
Maximum Allowable Working Pressure	150 PSI @ 300°F (10.4 bar @ 149°C)	
Shipping Weight lbs (kg)		
Model 1 BHS	50 (23)	95 (43)
Model 1 BHT	65 (30)	105 (48)



## Applications

- Chemicals & Petrochemicals
- Industrial Water Treatment
- Food & Beverage
- Healthcare
- Industrial Processes
- Paint & Coatings

Graph 1: Flow vs. Differential Pressure



Pressure drops are for Size #2 bag housings based on an aqueous solution with viscosity of 1 cps with perforated support basket but with no bag installed. Consult the appropriate bag information to determine the total system pressure drop.

## Features & Benefits

### Rugged, heavy duty, ASME Code designs.

- Designed for use in most demanding applications.

### Direct sealing of cover on bag filter (top entry model).

- Keeps bag filters properly seated in baskets.
- No fluid contamination above bag.

### Swing bolt design.

- Easy vessel opening and closing.

### Drains at lowest point in housing.

- No residual build-up or fluid loss.

### Designed for use with standard or specialty bag filters (3M DF Series Filters).

- Flexibility for using optimum filter for the application.

# 3M™ BH Series Ordering Guide

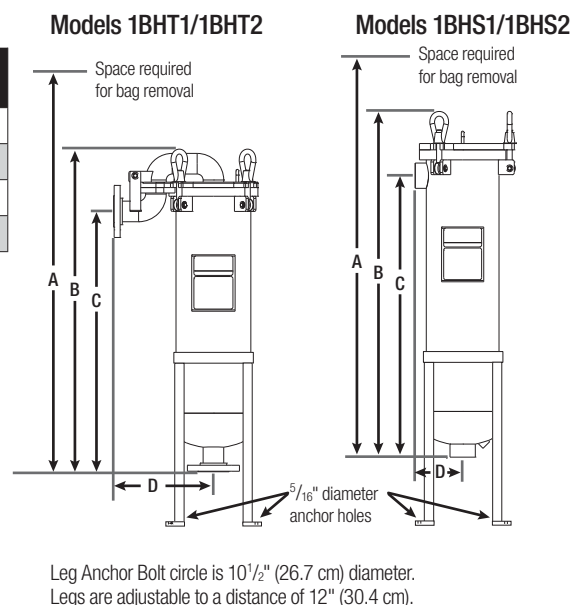
## Housing Dimensions\*

Model	Vessel O.D.	Dimensions in. (cm)			
		A	B	C	D
1BHT1	8.6 in.	36 (91.4)	24.3 (61.8)	16 (40.6)	12.1 (30.6)
1BHT2		65 (165.1)	38.3 (97.3)	30 (76.2)	12.1 (30.6)
1BHS1		38 (96.5)	27.6 (70.6) (max.)	21.2 (53.8) (max.)	5.7 (14.5)
1BHS2		65 (165.1)	42.8 (108.7) (max.)	36.2 (91.9) (max.)	5.7 (14.5)

\*Dimensions are for reference only.

## Accessories/Spare Parts

Description	Part Number
Bag Basket, Size #1, 316SS	60428-32
Bag Basket, Size #2, 316SS	60428-31
Bag Insertion Tool	60429-31
DF Basket, Size #1, 316SS	60382-32
DF Basket, Size #2, 316SS	60382-31



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Number of Filter Elements	Model	Housing Type	Filter Size	Material	Connection Type	Basket Type
1 - Single Filter	BH - Bag Housing	T - Top Entry, Code	1 - #1 2 - #2	A - Carbon Steel C - 316L SS	1 - 2" ANSI Flange	B - Bag Basket D - DF Basket
		S - Side Entry, Code	1 - #1 2 - #2	A - Carbon Steel C - 316L SS	2 - 2" NPT	

\*Housings come standard with nitrile gaskets, other gasket materials available, consult factory.

## Important Notice

The information described in this literature is accurate to the best of our knowledge. A variety of factors, however, can affect the performance of the Product(s) in a particular application, some of which are uniquely within your knowledge and control. **INFORMATION IS SUPPLIED UPON THE CONDITION THAT THE PERSONS RECEIVING THE SAME WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR USE. IN NO EVENT WILL 3M PURIFICATION INC. BE RESPONSIBLE FOR DAMAGES OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION.**

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