

3M™ BHN Series Bag Housings

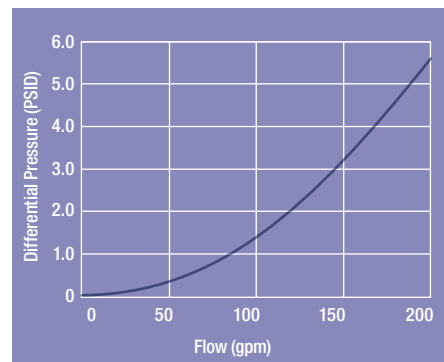
For those applications not requiring code housings, 3M Purification Inc. offers the economical 3M™ BHN series bag housing product line. 3M BHN series bag housings, for use with #1 and #2 Size conventional bag filters or 3M™ DF series elements, are available in single round configurations. The 3M™ series filter housings are constructed from stainless steel materials which includes a stainless steel support basket and a hold down device for proper seating of the filter. 3M BHN series bag housings are rated for operation up to 150 psi @ 250 °F (10.4 bar @ 121.1 °C). Filter housing installation in new or existing systems is simplified by the band clamp legs which can accommodate up to a 12 in (30.5 cm) adjustment in floor to outlet height.

3M™ BHN Series Bag Housing Specifications

Specifications	Housing Size	
	#1	#2
Material	304 SS and 316L SS	
Gasket (s)	Nitrile Standard	
Connection Size/Type	2" NPT	
Maximum Pressure & Temperature	150 psi @ 250°F (10.4 bar @ 121.1°C)	
Shipping Weight (lbs/kg)	45 / 20.4	60 / 27.2
Basket Weight (lbs/kg)	3.5 / 1.6	6.0 / 2.7
Leg Weight (lbs/kg)	7.5/3.4	



Graph 1: Flow vs. Differential Pressure



Features & Benefits

Cost Effective Designs.

- Reduced capital cost.

Compression Sealing of Filter Bag

- Keeps bag filters properly sealed in baskets.

V-Band Clamp Design with Integral Cover Handle

- Easy vessel opening and closing.

Drains at Lowest Point in Housing

- No residential build-up or fluid loss

Designed for use with Standard or Specialty Bag Filters (DF Series Filters)

- Flexibility for Using Optimum Filter for the Application

Differential pressures 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.

Applications

Process Waters

Parts Washers

Machine Coolants

Paints and Coatings

Production Wells



Housing Dimensions*

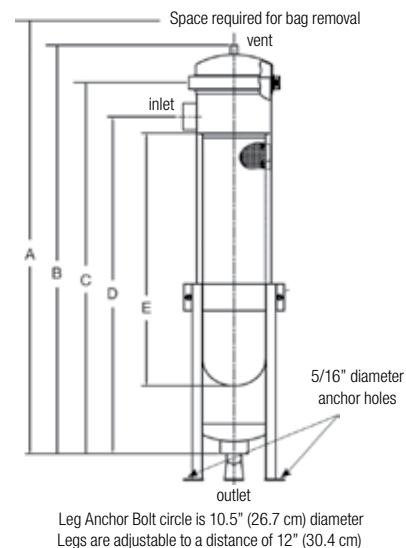
Model	Vessel O.D.	Dimensions (inches / cm)				
		A	B	C	D	E
1BHN1	8.6 in (21.9 cm)	42 / 109.2	31 / 78.7	27.5 / 69.9	23 / 58.4	13 / 33.0
1BHN2		72 / 182.9	46 / 116.8	41.5 / 105.4	38 / 96.5	28 / 71.1

* Dimensions are for reference only.

Accessories/Spare Parts

Description	Part No.
Bag Basket, Size #1, 316 SS	60428-32
Bag Basket, Size #2, 316 SS	60428-31
DF Bag Basket, Size #1, 316 SS	60382-32
DF Basket, Size #2, 316 SS	60382-31
Bag Insertion Tool	60429-31

Models 1BHN1/BHN2



3M™ BHN Series Bag Housing Ordering Guide*

Numbers of Filter Elements	Housing Model	Filter Size	Housing Material	Connection Type	Basket Type
1 - Single Filter	BHN - Bag Housing (Non Code)	1 - #1 Size 2 - #2 Size	B - 304 Stainless Steel C - 316L Stainless Steel	1 - 2" NPT	B - Bag Basket D - DF Basket

* Housing come standard with Nitrile Gaskets, other gasket materials available, consult factory.

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