

# 3M™ BHN Series Bag housings

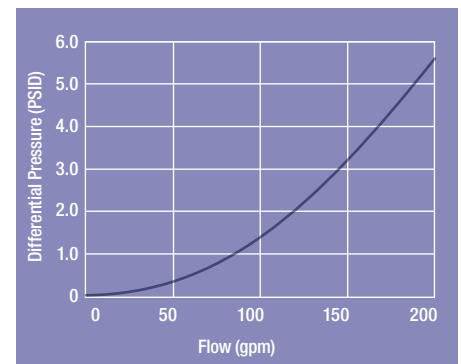
For those applications not requiring code housings, 3M Purification Inc. offers the economical 3M™ BHN series bag housing product line. 3M BHN series bag housings, for use with #1 and #2 Size conventional bag filters or 3M™ DF series elements, are available in single round configurations. The 3M™ series 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\*

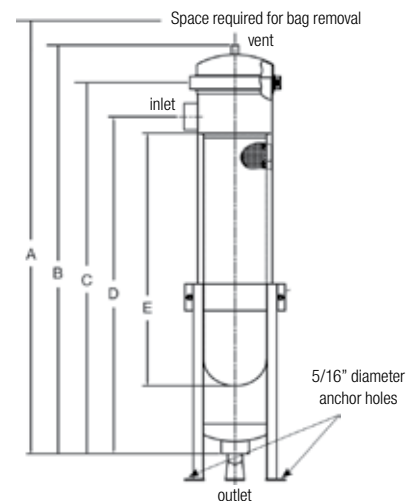
Model	Vessel O.D.	Dimensions (inches / cm)				
		A	B	C	D	E
1BHN1	8.6 in (21.9 cm)	42 / 109.2	31 / 78.7	27.5 / 69.9	23 / 58.4	13 / 33.0
1BHN2		72 / 182.9	46 / 116.8	41.5 / 105.4	38 / 96.5	28 / 71.1

\* Dimensions are for reference only.

### Accessories/Spare Parts

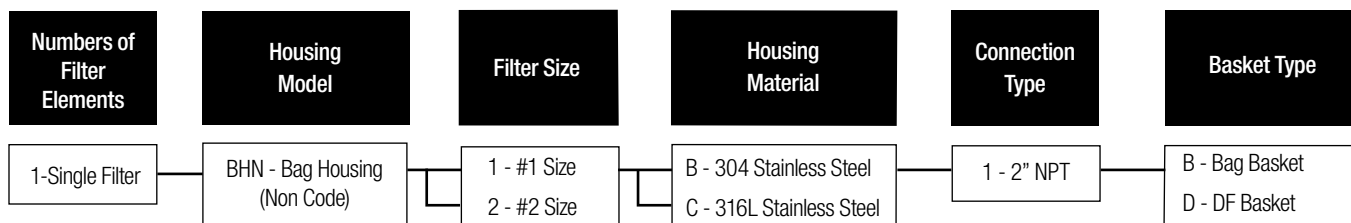
Description	Part No.
Bag Basket, Size #1, 316 SS	60428-32
Bag Basket, Size #2, 316 SS	60428-31
DF Bag Basket, Size #1, 316 SS	60382-32
DF Basket, Size #2, 316 SS	60382-31
Bag Insertion Tool	60429-31

### Models 1BHN1/BHN2



Leg Anchor Bolt circle is 10.5" (26.7 cm) diameter  
Legs are adjustable to a distance of 12" (30.4 cm)

### 3M™ BHN Series Bag Housing Ordering Guide\*



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

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