

H9B SERIES

ASHRAE FILTER HOLDING FRAME FOR BUILT-UP FILTER BANK



Application: The H9B Series Basic Filter Holding Frame is designed for use exclusively with press-fit fasteners in ASHRAE built-up filter banks in order to facilitate a leak-free system (Refer to the H9 Series Fastener Tech Sheet for more information).

The frame is used for applications requiring any combination of panel, rigid and bag-type air filters on the upstream or downstream sides of the frame. The H9B Series standard sizes make it easy to engineer a new system or retrofit to existing installations. Below highlight the various combinations of filters:

- Any 1", 2" or 4" deep panel or pleated filter
- Any 6" or 12" deep rigid filter
- Any headered style rigid or pocket filter

Construction: The H9B Series frame is available in 2", 3" and 4" frame depths. It is constructed of two corner sections of 18 gauge metal that is secured with a patented "talon lock" system and strategically placed TAC welds to ensure a rigid and durable assembly.

The filter frame includes a 3/4" flange to seal the filter and is available with a closed cell PVC foam gasket. This frame is designed for use with press-fit fasteners, which attach to the retaining flange of the frame. Each frame is supplied with pre-punched holes for field assembly and with dimples to keep filters centered against the retaining flange.

Due to continuing research and development, we reserve the right to make modifications to any product.

**AVAILABLE IN
TWO ALLOYS**

H9BG

Galvanized Steel

H9BS

304 Stainless Steel

PRODUCT HIGHLIGHTS

- Universally Accepts Any Filter Combination
- Patented Talon Lock for Rigid Construction
- Use with Press-fit Fasteners Only
- Leak-Free Welded Seams and PVC Gaskets
- Filter Centering Dimples

FAST FACTS

Minimum Order:

No Minimum Order Required

Sizing Options:

Standard and Special Sizes Available
(See reverse side for details.)

Classification:

UL Classified 900

MAX TEMP:

H9BG – 392 Degrees F

H9BS – 900 Degrees F

H9B SERIES

ASHRAE FILTER HOLDING FRAME FOR BUILT-UP FILTER BANK



MODEL	H9BG			H9BS		
CONSTRUCTION						
Frame Alloy	18 gauge galvanized steel			18 gauge 304 stainless steel		
Frame Thickness	2", 3" and 4"			2", 3" and 4"		
Assembly Holes	Clearance for #10-32 fasteners			Clearance for #10-32 fasteners		
APPLICATION						
Application	Built-up filter bank			Built-up filter bank		
Filter Location	Upstream or Downstream			Upstream or Downstream		
Fasteners	Press-fit			Press-fit		
STANDARD SIZES						
Actual Dimensions (H x W x T)*	Part Number	Carton Quantity	Carton Weight	Part Number	Carton Quantity	Carton Weight
12 x 24 x 2"	H9BG201224	6	18.0	H9BS301224	6	18.0
16 x 20 x 2"	H9BG201620	6	18.0	H9BS301620	6	18.0
16 x 25 x 2"	H9BG201625	6	27.0	H9BS301625	6	27.0
20 x 20 x 2"	H9BG202020	6	29.0	H9BS302020	6	29.0
20 x 24 x 2"	H9BG202024	6	18.0	H9BS302024	6	18.0
20 x 25 x 2"	H9BG202025	6	18.0	H9BS302025	6	18.0
24 x 24 x 2"	H9BG202424	6	28.0	H9BS302424	6	28.0
12 x 24 x 3"	H9BG301224	4	18.0	H9BS301224	4	18.0
16 x 20 x 3"	H9BG301620	4	18.0	H9BS301620	4	18.0
16 x 25 x 3"	H9BG301625	4	27.0	H9BS301625	4	27.0
20 x 20 x 3"	H9BG302020	4	29.0	H9BS302020	4	29.0
20 x 24 x 3"	H9BG302024	4	18.0	H9BS302024	4	18.0
20 x 25 x 3"	H9BG302025	4	18.0	H9BS302025	4	18.0
24 x 24 x 3"	H9BG302424	4	28.0	H9BS302424	4	28.0

SIZING AND OPTIONS

* **Exact Frame Thickness:** 2", 3" and 4" Frame Depths are Exact Size and will accommodate any manufacturers' standard size filter.

** **Exact HxW Dimensions:** Standard size frames are made to exact H x W dimension. There are no nominal undercut assumptions.

1. Tolerance height and width: $\pm 1/8"$

2. Tolerance thickness: $\pm 1/32"$

3. Fasteners: The H9B Series frame is manufactured for use with press-fit fasteners on both the upstream and downstream sides of the frame. Refer to the Fastener Tech Sheet for more information.

4. Gaskets: The H9B Series is supplied with closed cell PVC foam gasket. If you do not desire gaskets, please note on the PO "No Gasket" when ordering.

INSTALLATION CONSIDERATIONS

Following notes represents a basic summary of the installation considerations. Refer to the "H9 Series Installation tech sheet for comprehensive installation instructions.

1. Install an unlimited number of frames horizontally.

2. Install a maximum of 8 (eight) frames vertically.

3. Assemble frames using #10-32 screw and nuts.

4. Install stiffener bars between every other column on installations equal to or greater than three frames wide by four frames high.

5. Install 2" flashing around the perimeter of the completed filter bank.

6. Apply caulking to ensure seal.

ADDITIONAL INFORMATION

1. Submittal drawing is available upon request, please contact factory.



PRESS-FIT CLIPS SHOWN