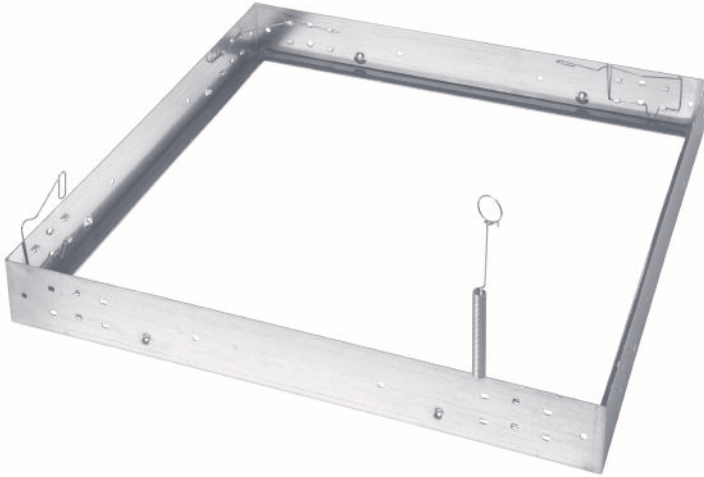


# H9L SERIES

## UNIVERSAL FILTER HOLDING FRAME WITH LANCE AND FORM



FOR BUILT-UP FILTER BANKS



**Application:** The **H9L SERIES FILTER HOLDING FRAME WITH LANCE AND FORM** is used with **wire-type** and **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 H9L Series standard sizes make it easy to engineer a new system or retrofit an existing installation, because they can host many combinations of any manufacturers' standard size filters. Select from three different metal alloys to obtain the best frame for your application.

**Construction:** The H9L Series frame is available in 2 $\frac{5}{8}$ " and 3" frame depths, and is constructed of two corner sections of 16 gauge metal with all seams and corners TIG welded to ensure a rigid and durable assembly. Each flush welded mitered joint is deburred and treated to protect the exposed metal from corrosion. The filter frame includes a 3/4" flange to seal the filter and is available with a closed cell PVC foam gasket. Precision lance and form tabs, at 1" and 2" depths, are incorporated into each corner to accept wire-type fasteners. Each frame is supplied with pre-punched holes for field assembly and with dimples to keep filters centered against the retaining flange.

AVAILABLE IN THREE ALLOYS

### H9LA

Aluminized Steel

### H9LG

Galvanized Steel

### H9LS

Stainless Steel

#### PRODUCT HIGHLIGHTS

- Universal Holding Frame
- Accepts Any Combination of Filters
- 16 gauge Construction
- Lance and Form Corners
- Filter Centering Dimples
- Welded Seams and PVC Gasketing Provide Leak Free Design

#### FAST FACTS

**LEAD TIME:**

7 Business Days

**MINIMUM ORDER:**

No Minimum Order

**SIZING OPTIONS:**

Standard and Special Sizes

**CLASSIFICATION:**

UL 900 Class 1

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

# H9L SERIES ~ Frame Selection Chart

MODEL	H9LA			H9LG			H9LS		
<b>CONSTRUCTION</b>									
Frame Alloy	16 gauge aluminized steel			16 gauge galvanized steel			16 gauge 304 stainless steel		
Frame Thickness	2 $\frac{5}{8}$ " and 3"			2 $\frac{5}{8}$ " and 3"			2 $\frac{5}{8}$ " and 3"		
Lance and Form Depth	1" and 2"			1" and 2"			1" and 2"		
Assembly Holes	Clearance for #10-32 fasteners			Clearance for #10-32 fasteners			Clearance for #10-32 fasteners		
<b>APPLICATION</b>									
Application	Built-up filter bank			Built-up filter bank			Built-up filter bank		
Filter Location	Upstream or downstream			Upstream or downstream			Upstream or downstream		
Fasteners	Wire-type and press-fit			Wire-type and press-fit			Wire-type and press-fit		
<b>STANDARD SIZE</b>									
Exact Dimensions (H x W x T)	Part Number	Carton Quantity	Carton Weight	Part Number	Carton Quantity	Carton Weight	Part Number	Carton Quantity	Carton Weight
12 x 24 x 2 $\frac{5}{8}$	H9LA201224	8	32.6	H9LG201224	8	33.7	H9LS201224	8	32.1
16 x 20 x 2 $\frac{5}{8}$	H9LA201620	4	17.5	H9LG201620	4	18.0	H9LS201620	4	17.2
16 x 25 x 2 $\frac{5}{8}$	H9LA201625	4	19.6	H9LG201625	4	20.1	H9LS201625	4	19.3
20 x 20 x 2 $\frac{5}{8}$	H9LA202020	4	19.1	H9LG202020	4	19.7	H9LS202020	4	18.8
20 x 24 x 2 $\frac{5}{8}$	H9LA202024	4	20.9	H9LG202024	4	21.5	H9LS202024	4	20.5
20 x 25 x 2 $\frac{5}{8}$	H9LA202025	4	21.3	H9LG202025	4	21.9	H9LS202025	4	20.9
24 x 24 x 2 $\frac{5}{8}$	H9LA202424	4	22.5	H9LG202424	4	23.2	H9LS202424	4	22.1
12 x 24 x 3	H9LA301224	8	36.1	H9LG301224	8	37.3	H9LS301224	8	35.5
16 x 20 x 3	H9LA301620	4	19.2	H9LG301620	4	19.8	H9LS301620	4	18.9
16 x 25 x 3	H9LA301625	4	21.5	H9LG301625	4	22.2	H9LS301625	4	21.2
20 x 20 x 3	H9LA302020	4	21.1	H9LG302020	4	21.7	H9LS302020	4	20.7
20 x 24 x 3	H9LA302024	4	23.0	H9LG302024	4	23.7	H9LS302024	4	22.6
20 x 25 x 3	H9LA302025	4	23.4	H9LG302025	4	24.1	H9LS302025	4	23.0
24 x 24 x 3	H9LA302424	4	24.9	H9LG302424	4	25.6	H9LS302424	4	24.4
<b>H9L SERIES NOTES</b>									

## SIZING INFORMATION

- Seven standard exact size frames are available in a 2 $\frac{5}{8}$ " and 3" exact depth and will accommodate any manufacturers' standard size filter.
- Special size frames are made to exact height and width dimensions as specified and are available in a depth of 2 $\frac{5}{8}$ " and 3" exact.  
Link: [www.amfco.com/linksh9/howto/specialsizes](http://www.amfco.com/linksh9/howto/specialsizes)
- Tolerance height and width:  $\pm 1/8$ "
- Tolerance thickness:  $\pm 1/32$ "

## CLASSIFICATION AND TEST NOTES

- The H9L Series frame is listed as UL 900 Class 1.

## FILTER CLEANING AND COATING

- Clean the frame with isopropyl alcohol.

## OPTIONS

- Alloy: The H9L Series frame can be manufactured from an alternate metal alloy to meet your specific application requirements.
- Fasteners: The H9L Series frame is manufactured for use with wire-type and press-fit fasteners on both the upstream and downstream sides of the frame. Refer to the Fastener Tech Sheet for more information.
- Gaskets: The H9L Series frame can be supplied with a closed cell PVC foam gasket. Specify "with gasket" when ordering.

## INSTALLATION CONSIDERATIONS

The following notes represent a basic summary of the installation considerations. Refer to the H9 Series Installation Tech Bulletin for comprehensive installation instructions.

Link: [www.afmco.com/install/H9Series](http://www.afmco.com/install/H9Series)

- Install an unlimited number of frames horizontally.
- Install a maximum of eight frames vertically.
- Assemble frames using #10-32 screw and nuts.
- Install stiffener bars between every other column on installations equal to or greater than three frames wide by four frames high.
- Install 2" flashing around the perimeter of the completed filter bank.
- Apply caulking.

## ADDITIONAL INFORMATION

- A submittal drawing for the H9 Series Filter Holding Frame with Lance and Form is available.  
Link: [www.amfco.com/blueprint/H9L](http://www.amfco.com/blueprint/H9L)



**GASKET AND CORNER CLIP**