

H9L SERIES

ASHRAE FILTER HOLDING FRAME FOR BUILT-UP FILTER BANK



Application: The H9L Series Filter Holding Frame with Lance and Form is used with wire-type and pres-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 comes in standard sizes that 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 H9L Series frame is available in 2-5/8" and 3" 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. 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.

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

**AVAILABLE IN
TWO ALLOYS**

H9LG

Galvanized Steel

H9LS

304 Stainless Steel

PRODUCT HIGHLIGHTS

- Universally Accepts Any Filter Combination
- Patented Talon Lock for Rigid Construction
- Lance and Form for Wire-Type Fasteners
- Lead-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:

H9LG – 392 Degrees F

H9LS – 900 Degrees F

H9L SERIES

ASHRAE FILTER HOLDING FRAME FOR BUILT-UP FILTER BANK



| MODEL | H9LG | | | H9LS | | |
|--------------------------------|--------------------------------|-----------------|---------------|--------------------------------|-----------------|---------------|
| CONSTRUCTION | | | | | | |
| Frame Alloy | 18 gauge galvanized steel | | | 18 gauge 304 stainless steel | | |
| Frame Thickness | 2-5/8" and 3" | | | 2-5/8" and 3" | | |
| Lance and Form Depths | For 1" and 2" Thick Filters | | | For 1" and 2" Thick Filters | | |
| 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 | Wire-type and press-fit | | | Wire-type and 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 2-5/8" | H9LG201224 | 6 | 18.0 | H9LS201224 | 6 | 18.0 |
| 16 x 20 x 2-5/8" | H9LG201620 | 6 | 18.0 | H9LS201620 | 6 | 18.0 |
| 16 x 25 x 2-5/8" | H9LG201625 | 6 | 27.0 | H9LS201625 | 6 | 27.0 |
| 20 x 20 x 2-5/8" | H9LG202020 | 6 | 29.0 | H9LS202020 | 6 | 29.0 |
| 20 x 24 x 2-5/8" | H9LG202024 | 6 | 18.0 | H9LS202024 | 6 | 18.0 |
| 20 x 25 x 2-5/8" | H9LG202025 | 6 | 18.0 | H9LS202025 | 6 | 18.0 |
| 24 x 24 x 2-5/8" | H9LG202424 | 6 | 28.0 | H9LS202424 | 6 | 28.0 |
| 12 x 24 x 3" | H9LG301224 | 4 | 18.0 | H9LS301224 | 4 | 18.0 |
| 16 x 20 x 3" | H9LG301620 | 4 | 18.0 | H9LS301620 | 4 | 18.0 |
| 16 x 25 x 3" | H9LG301625 | 4 | 27.0 | H9LS301625 | 4 | 27.0 |
| 20 x 20 x 3" | H9LG302020 | 4 | 29.0 | H9LS302020 | 4 | 29.0 |
| 20 x 24 x 3" | H9LG302024 | 4 | 18.0 | H9LS302024 | 4 | 18.0 |
| 20 x 25 x 3" | H9LG302025 | 4 | 18.0 | H9LS302025 | 4 | 18.0 |
| 24 x 24 x 3" | H9LG302424 | 4 | 28.0 | H9LS302424 | 4 | 28.0 |

SIZING AND OPTIONS

* **Exact Frame Thickness:** 2-5/8", 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: ± 1/8"
2. Tolerance thickness: ± 1/32"
3. 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.
4. Gaskets: The H9L 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.



GASKET AND CORNER CLIP