

General

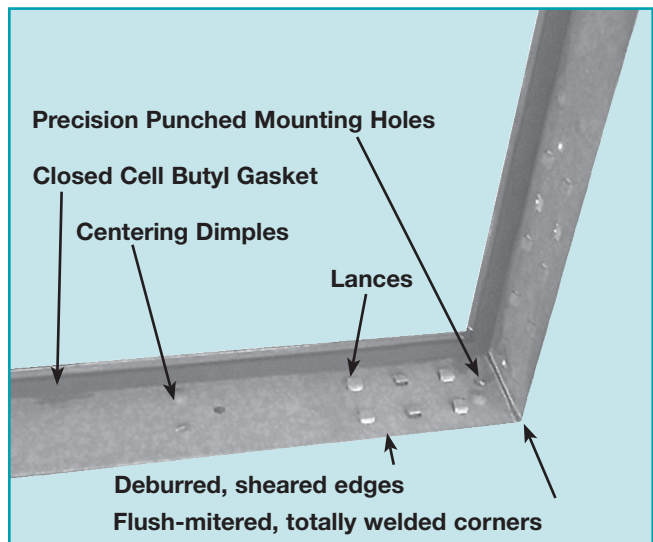
The PF-1 Pureframe® filter holding frame is a building block for built-up filter banks when incorporating ASHRAE rated air filters. It is designed to provide a high degree of sealing integrity while incorporating versatility in applications and accessibility in installation and service.

Construction

The PF-1 Pureframe® is made with your choice of 304 stainless or 16 gauge corrosion resistant steel. All corners are mitered, continuously welded and ground to form a smooth surface between the frame sealing surface and the gasket at the corner points of the sealing flange.

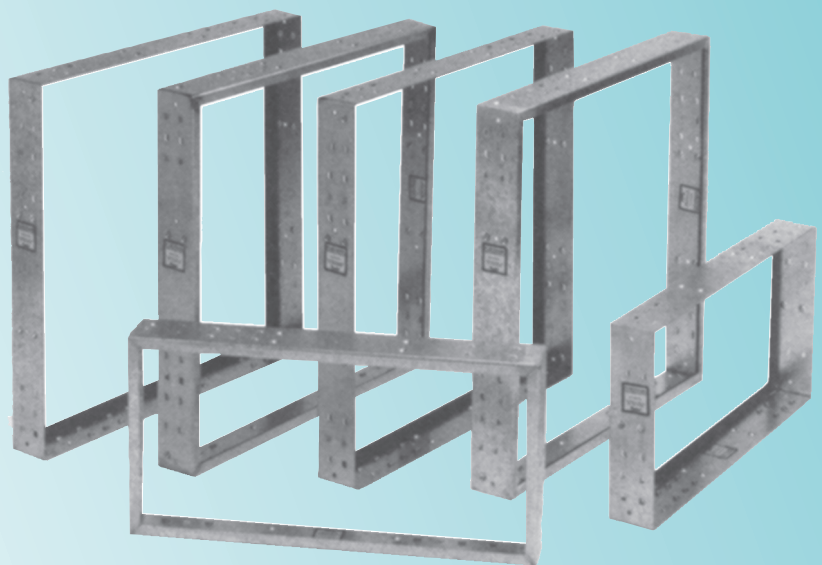
The PF-1 Pureframe® is a nominal 3 inches in depth and has a series of pre-punched mounting holes to facilitate alignment and assembly. Two rows of dimples are spaced to center the held filter and pre-filter when both are used in

combination in a single frame. Also, a series of pre-punched lances accommodate various types of stainless steel fasteners. A closed cell flexible gasket is attached to the sealing flange of each frame.



Important Features

- Positive seal with spring-loaded fasteners and closed cell gasket
- 16 gauge stainless or corrosion resistant steel.
- Flush mounted, totally-welded corners and deburred edges
- Accommodates any standard size box or header type air filter.
- Easy to install and rugged with pre-punched mounting holes, 3" depth and centering dimples.



Installation

The filter to be utilized is placed into the PF-1 holding frame using the dimples on the holding frame as guides to align the filters. The dimples are located in two rows along the frame in the 1" and 2" positions.

For large HVAC projects, the PF-1 may be utilized in built-up framing systems for both upstream and downstream air cleaning. Standard flat and V configurations are possible, using support posts for reinforcement when necessary to ensure stability of the filter bank.

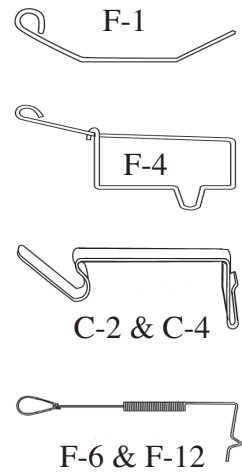
Fasteners

Once in position, the filter is held in place with Type 401 stainless steel spring filter fasteners, which attach to the holding frame through lances that are located along each of the four sides. Tools are not required for installation or removal. The various types of fasteners are shown below.

Fasteners Location

Forward is closest to the frame flange and back is away from the frame flange.

Frame Fastener Selection Chart			
Fastener Model #	Single Filter or Combination Filter Usage	Fastener Location	Number Required
F-1	1" deep filter, bag filter or single header box style filter	Forward	4
F-1	2" deep filter	Back	4
F-4	2" deep filter with combination bag or single header box style filter	Forward	4
F-4	4" deep filter	Back	4
F-12	12" deep box-style or double header box filter	Back	4
F-6	6" deep box style or double header box filter	Back	4
F-6	2" deep prefilter with 4" deep combination final filter	Back	4
C-2	To attach a 2" prefilter with a box style filter in the same frame	N/A	4
C-4	To attach a 4" prefilter to a box style filter in the same frame	N/A	4
F-12	Downstream access of 12" box or single header box filter	Forward	4



Guide Specifications

- 1.0 Filter holding frames shall be PF1 Pureframe® as manufactured by Flanders.
- 1.1 Frames shall be manufactured of 16 ga. galvanized steel or Type 304 stainless steel and furnished with factory-installed gasketing. All corners shall be mitered, continuously welded and ground to form a smooth surface between the frame sealing surface and the gasket at the corner points of the sealing flange. All sheared edges of the frame shall be deburred before final assembly.
- 1.2 Each holding frame shall be a nominal 3" in depth to effect an adequate bearing surface for assembly and mounting.
- 1.3 The holding frame shall be equipped with 6 pre-punched 9/32" mounting holes to facilitate proper alignment and assembly. Two rows of dimples shall be spaced to center a filter and prefilter when both are used in combination in a single frame. Holding frames shall be equipped with pre-punched lances to accommodate various types of stainless steel fasteners.
- 1.4 A closed-cell ept/polyethylene/butyl gasket shall be attached to the sealing flange of each holding frame.



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