

# A-4 Frame

## GEL SEAL HEPA FILTER HOLDING FRAMES

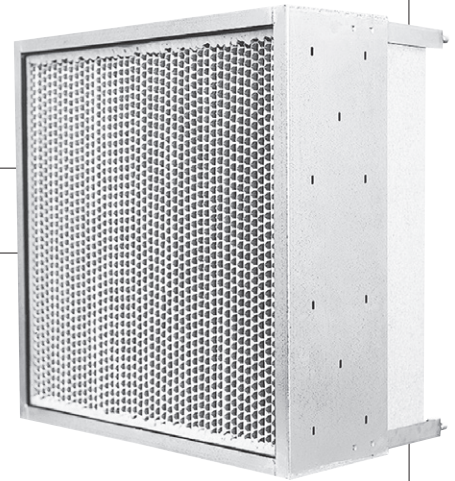
- All-welded construction for corrosion resistance and rigidity
- Gel seal for the best protection against bypass leakage
- Stainless steel locking arm and screw assemblies secure and seal the HEPA filter
- Factory-drilled alignment holes facilitate field assembly of built-up filter banks

AAF's A-4 Frames are permanent holding frames for field or OEM assembly of built-up HEPA/ULPA filter banks.

Standard sizes include the three widely-used filter face sizes:

24" x 24", 24" x 12" and 12" x 24", as well as less common sizes, such as 24" x 30" and undersize versions of the common face sizes.

Separate locking arm and screw assemblies are used to retain the nominal 12" depth filter casings. The entire assembly will have the same efficiency as the filters themselves without leaks or bypass, when the filters and frames are installed as recommended by AAF.



### Superior Design and Construction

A-4 Frames are constructed of all-welded sealing surface and intermittently welded sides of 14-gauge galvanized construction. Factory-drilled alignment holes on each side facilitate positioning of the frames for easy filter bank assembly. Welded to the inside of the frame on the bottom and both sides are alignment bars. These bars position the filter properly so that it will mate with the "knife-edge" flange that extends into the gel sealing channel around the periphery of the filter frame. Four stainless steel removable locking arm and screw assemblies are furnished with each frame. They are easily adjusted by hand to hold the filter in place and press the gel seal channel into the knife-edge on the frame. The fluid gel seal provides the best protection against bypass leakage between the filter and the frame over the life of the installation. The swing arm design uses a Astr frame to hold the prefilter.

### Installation Considerations

A-4 Frames may be installed for service from the air entering (upstream) side or the air leaving (downstream) side. Filter installation and removal are greatly facilitated if at least 36 inches of service clearance is provided. If the HEPA/ULPA filter bank is arranged for air entering side service, this clearance space may be shared with downstream-serviced ASHRAE-rated prefilters.

### Optional Construction

- Type 304 stainless steel
- Aluminum 0.08 in. thick
- Custom sizes
- Frames for nominal 6" deep filters
- A4S – Swing Bolt Design
- Optional prefilter frame assembly

# A-4 Frame

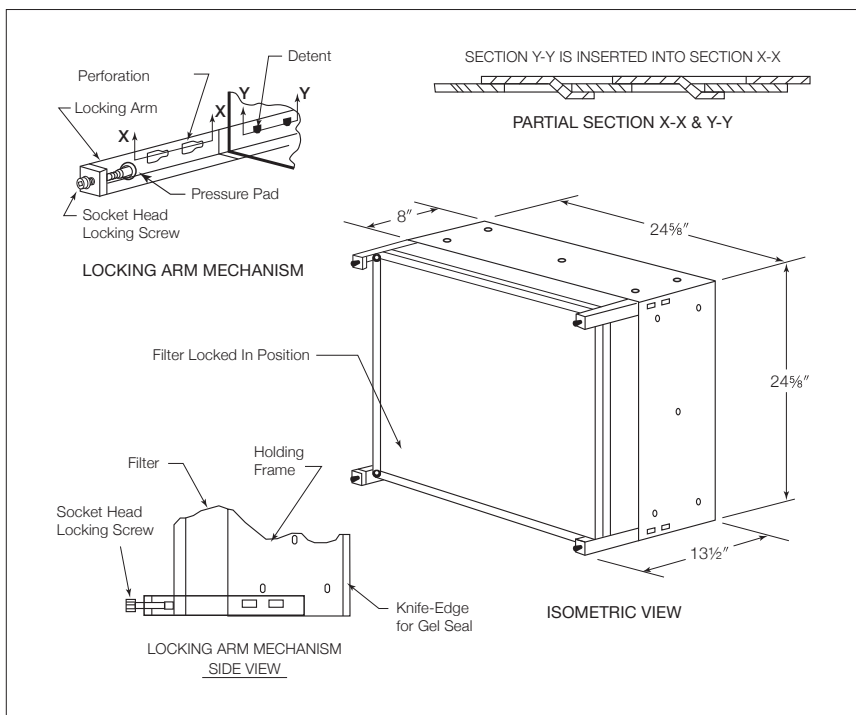
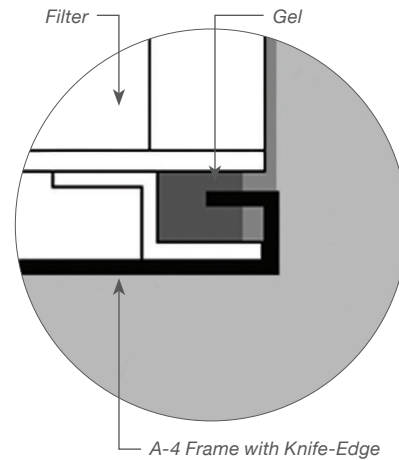
## Product Information – Standard Sizes

Model Number	Actual Frame Dimensions		Actual Filter Dimensions
	H x W x D (inches)	Depth with Filter	H x W x D (inches)
A4*GGF	24 $\frac{5}{8}$ x 24 $\frac{5}{8}$ x 8	13 $\frac{3}{4}$	24 x 24 x 11 $\frac{1}{2}$
A4*GCF	24 $\frac{5}{8}$ x 12 $\frac{5}{8}$ x 8	13 $\frac{3}{4}$	24 x 12 x 11 $\frac{1}{2}$
A4*CGF	12 $\frac{5}{8}$ x 24 $\frac{5}{8}$ x 8	13 $\frac{3}{4}$	12 x 24 x 11 $\frac{1}{2}$
A4*GNF	24 $\frac{5}{8}$ x 30 $\frac{5}{8}$ x 8	13 $\frac{3}{4}$	24 x 30 x 11 $\frac{1}{2}$
A4*YYF	24 x 24 x 8	13 $\frac{3}{4}$	23 $\frac{3}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$
A4*YUF	24 x 12 x 8	13 $\frac{3}{4}$	23 $\frac{3}{8}$ x 11 $\frac{1}{8}$ x 11 $\frac{1}{2}$
A4*UYF	12 x 24 x 8	13 $\frac{3}{4}$	11 $\frac{1}{8}$ x 23 $\frac{3}{8}$ x 11 $\frac{1}{2}$

\*Insert material of construction: GLV for galvanneal steel, 304 for type 304 stainless steel, ALUM for aluminum.

**Note:** for 5 $\frac{1}{8}$ " deep filter, substitute "D" as a suffix in lieu of "F"

A-4 Gel Seal



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AAF has a policy of continuous product research and improvement. We reserve the right to change design and specifications without notice.

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