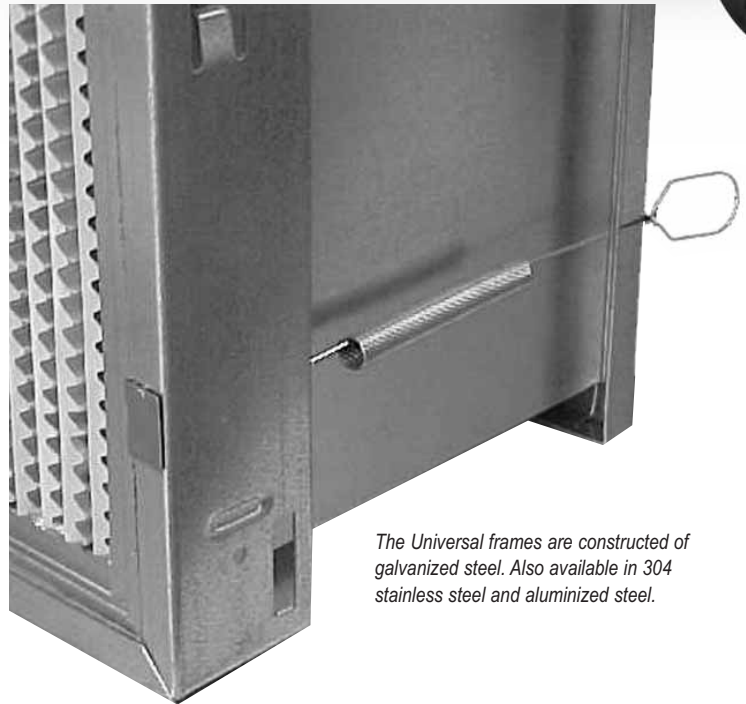




Better Air is Our Business®

AmericanAirFilter® Universal Holding Frames & Latches

***Gasketed, Modular Filter Holding
Frames and Latches***



The Universal frames are constructed of galvanized steel. Also available in 304 stainless steel and aluminized steel.

Universal Holding Frames

AAF's Universal Holding Frames come in seven standard sizes that can be used individually or may be combined to fit virtually any size filter bank. Each frame includes a gasket to ensure a proper seal between the frame and filter to minimize dirty air bypass. Also included are AAF's unique holding latches designed to hold the filter in place and create a positive seal. The latches are easy to use, requiring only a simple twisting motion to release the filter.

Universal Holding Frames are constructed of galvanized steel. The frames are available in 304 stainless steel, and there is an aluminized steel version for high temperature applications. (Note: 304 stainless and aluminized steel frames are slightly different in appearance but are of the same high quality and durability as the galvanized steel models.) All frames feature holes on each side for bolting or riveting into filter banks.

Seven sizes are available: 24 x 24, 20 x 25, 20 x 20, 16 x 25, 16 x 20, 20 x 24, and 12 x 24. The 2 $\frac{13}{16}$ " deep frame will support all standard combinations of pre and final filters.

High Temperature Applications

Filtration systems for paint curing ovens and other high temperature applications can be served using an aluminized steel Holding Frame constructed without a gasket. The aluminized steel frame will tolerate temperatures up to 900°F. The standard gasket is good for temperatures up to 140°F.

Filter Latches

AAF latches are available to hold a variety of filters and filter combinations, are replaceable, and specifically designed for upstream or downstream servicing. Each latch is annealed to music wire specifications after forming, and commercially zinc plated to provide years of service under varying environmental conditions. The Universal Holding Frame sides feature a unique retaining tab to hold the "L" Series latches. "L" Series latches do not connect to, or disturb, the flat sealing flange and gasket surface.

The L-42 and L-44 latches, specifically designed for the VariCel® II filter in combination with prefilter, offer an additional advantage. The latch can be turned to release the prefilter while maintaining a pressure seal on the higher efficiency VariCel II filter.

Conversion Latches

AAF sells "Knock On" latches to allow installation of all combinations of AAF filters in other manufacturers' filter holding frames.












Frame Bank Stiffeners

Vertical stiffeners are furnished with larger frame banks to ensure rigidity under normal operating conditions.

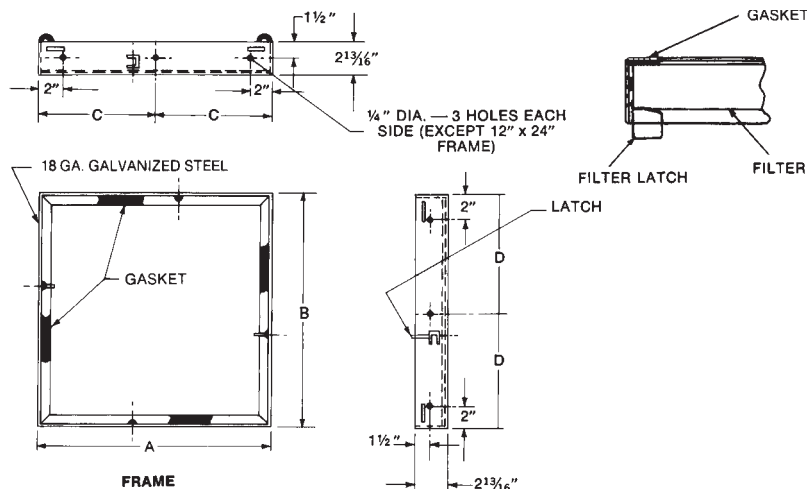
AmericanAirFilter®

Universal Holding Frames & Latches

Universal Frame Latch Selection

Final Filter	Prefilter	Service	Latch**	
1" Nominal or Header Filters DriPak VariCel* VariCel V BioCel* 5700 AmerFrame	None	Upstream or Downstream	L-10	
	2"	Upstream	L-30	
	4"	Upstream	L-50	
2" Nominal Filters AmAir 5700 Renu AmerFrame	None	Upstream or Downstream	L-20	
	2"	Upstream	L-40	
4" Nominal Filters VariCel II AmAir	None	Upstream or Downstream	L-40	
	2"	Upstream	L-42	
	4"	Upstream	L-44	
12" Nominal Filters DH VariCel DH BioCel	None	Upstream or Downstream	SL-12	
	2"	Upstream	SL-12 VP-2	
	4"	Upstream	SL-12 VP-4	

Specifications



A	B	C	D
20"	20"	10"	10"
20"	25"	10"	12 1/2"
16"	20"	8"	10"
16"	25"	8"	12 1/2"
24"	24"	12"	12"
12"	24"	—	12"
20"	24"	10"	12"



Better Air is Our Business®

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ISO Certified 9001-2000

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

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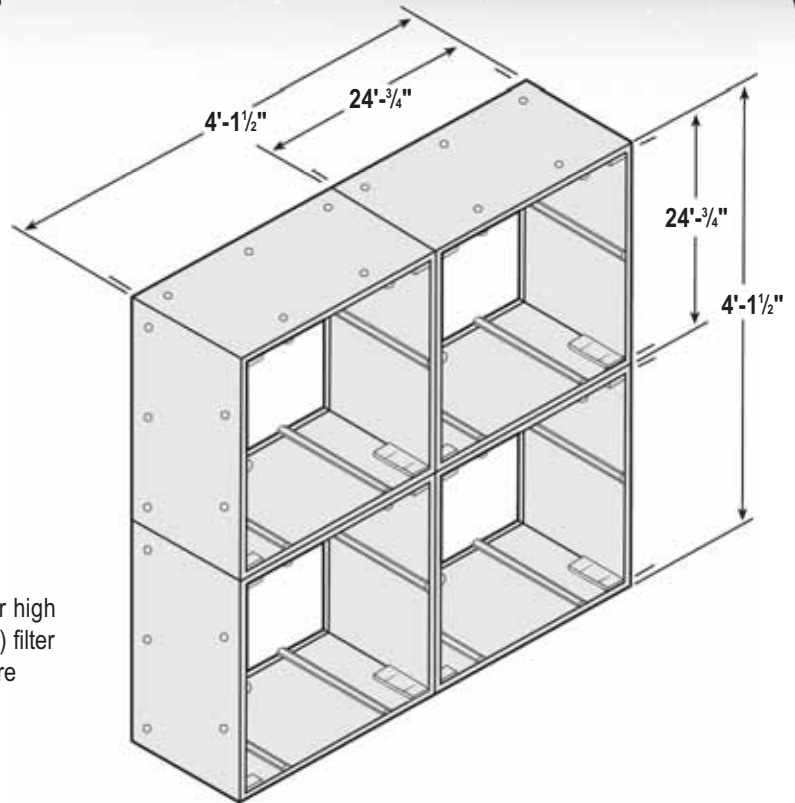
AmericanAirFilter® AstroFrame™

Holding Frame for AstroCel® HEPA Filters

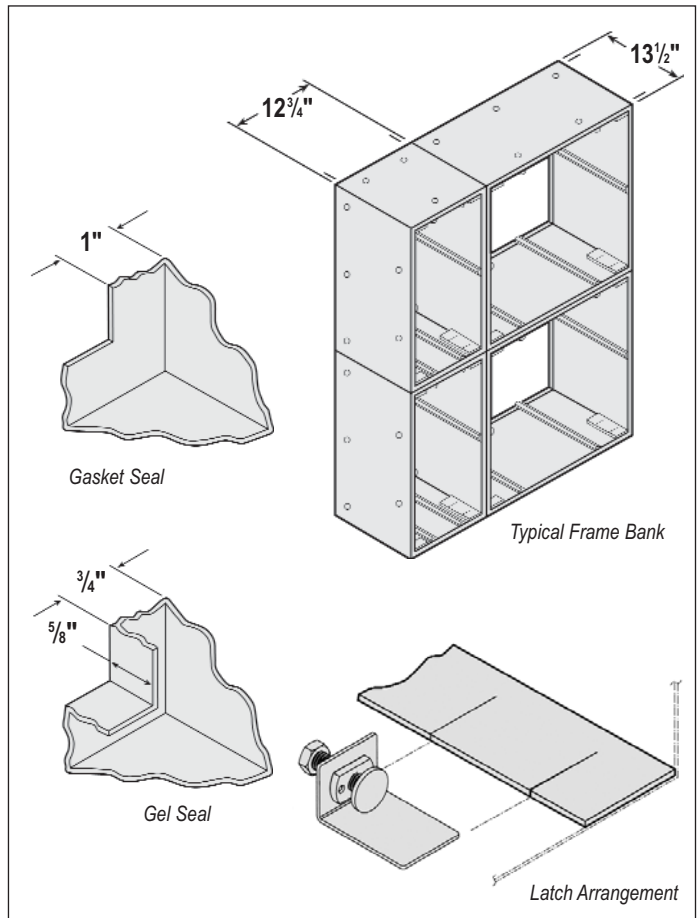
The AstroFrame filter holding frame is specifically designed for high efficiency built-up AstroCel High Efficiency Particulate Air (HEPA) filter banks. Each frame is seam welded to deliver maximum enclosure integrity. Each features four removable latches constructed to produce sealing pressure with the turn of a bolt.

Features

- 14 gauge all welded construction
- Galvanized steel or type 304 stainless steel
- Predrilled for ease of field assembly
- Pressure bolt latches for positive seal
- Gasket seal or gel seal
- 99.97% efficiency on $0.3\mu\text{m}$ DOP



Typical Frame Bank



AmericanAirFilter®

AstroFrame™

Dimensions

Frames are 13.5" deep

Filter Size		Material	Frame Size	
H	W		H	W
24"	24"	Galvanized Steel	24.75"	24.75"
24"	12"	Galvanized Steel	24.75"	12.75"
12"	24"	Galvanized Steel	12.75"	24.75"
24"	24"	304 Stainless Steel	24.75"	24.75"
24"	12"	304 Stainless Steel	24.75"	12.75"
12"	24"	304 Stainless Steel	12.75"	24.75"

Suggested Specifications

Furnish and install HEPA filters and permanent galvanized (304 stainless steel) steel holding frames as shown on the plans and listed in the equipment schedule.

The AstroFrame holding frames shall be factory drilled for convenient assembly into banks. The contractor shall apply caulking compound between the frames before riveting them into assembled banks. Each frame shall be fitted with four bolt type latches, one at each side, to seat each filter firmly against the internally flanged surfaces of its holding frame. A flat, wide surface sealing flange shall be provided for gasket seal filters and knife edge flange for gel seal filters. Each frame shall be constructed from 14 gauge galvanized steel (304 stainless steel), 13½" in depth.



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