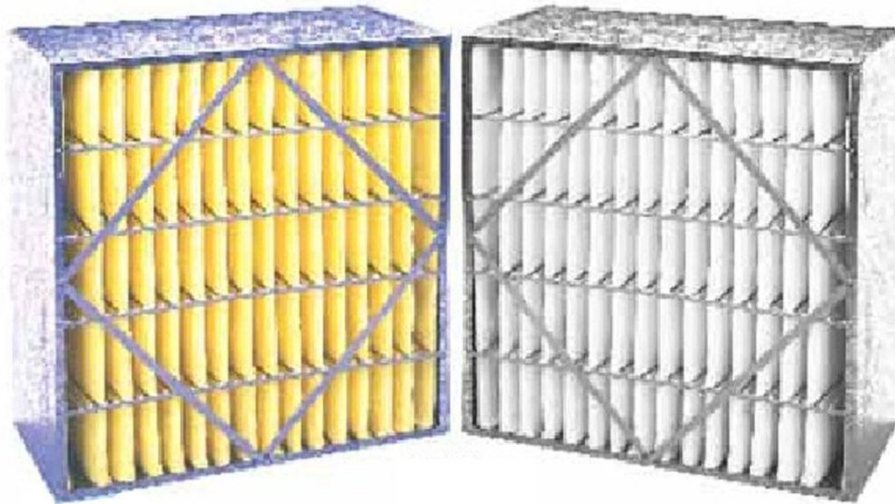


# SUPERIOR

FILTRATION PRODUCTS, INC.

## RIGID-FLOW

95%, 85%, 65% ASHRAE and MERV – 15,14,13



### General

RigidFlow filters by Superior Filtration Products are pleated media, rigid type filters designed for use in most commercial and/or industrial HVAC systems needing medium to high efficiency filtration having minimal pressure drop and associated lower energy costs. RigidFlow filters are available with either lofted fiberglass and micro-fine synthetic media having an average efficiency range of 60-65% and 90-95% using ASHRAE Standard 52.1 test methods. RigidFlow filters are also available in MERV 15 and MERV 13 media variants to help with earning LEEDS certification credits.

### Physical Data

<b>Frame:</b>	24-gauge galvanized steel
<b>Media:</b>	Lofted fiberglass or micro-fine synthetic
<b>Media Supports:</b>	Expanded metal grid with metal or plastic pleat separators
<b>Face Grid:</b>	Horizontal and diagonal metal supports
<b>Header:</b>	7/8-inch wide 26-gauge galvanized steel
<b>Operating Limits:</b>	100% RH 180 F
<b>Actual Header or Box Filter Face Size:</b>	Nominal size less 5/8-inch (e.g., a nominal 24" x 24" filter is actually 23 3/8" x 23 3/8")
<b>Actual Depth:</b>	5 1/2 inches or 11 1/2 inches

## Installation Considerations

RigidFlow filters having upstream access may be installed in NOVABurke Holding Frames, C-Tra Filter Framing Modules, or similar hardware. NOVABurke Holding Frames are riveted or bolted together to form filter banks and may be installed for upstream or downstream servicing. C-Trac Filter Framing Modules are the method of choice for medium to large built-up filter arrays. Smaller sized systems and/or systems with minimum upstream access to the filters are best served by the use of EnviroSeal Side Access Housings.

## Important Features

- The rugged galvanized steel casing minimizes damage during shipping, handling, and use
- Media is held in position by up and downstream plastic pleat supports
- RigidFlow filters are optimized for maximum efficiency with minimum pressure drop, and lowered building energy costs
- Available in ASHRAE and MERV media
- Units are available with or without headers
- Filters are completely rigid

## LEED (Leadership in Energy and Environmental Design) Certification and Superior Filtration Products Air Filters and Housings

Energy costs can total over 10 times the initial cost of a standard pleated filter, and 4 to 5 times the initial cost of a higher efficiency final filter, over the life-cycle of the filter. While no individual product may be LEED certified, the use of high efficiency, low pressure drop RigidFlow filters can help with LEED certification in several areas. For example, by reducing current loads on the HVAC system motor a credit may be earned for fulfilling LEED-EB & NC Energy and Atmosphere/Prerequisite 2. Further credits may be available for Materials and Resources/Prerequisite 1.1, Energy and Atmosphere/Credit 1 & 5, Indoor Environmental Quality/Credit 3, 4.1, and 5.1. Contact us to see what methods we have available to help you fulfill your LEED Certification Requirements.

RigidFlow Box and Single Header Filters - Air Flow Capacity and Initial Resistance					
Nominal Size WxHxD (Inches)	Box Style Filters		Single Header Style Filters		Rated Air Flow Capacity 12" Depth @ 500 FPM 6" Depth @ 250 FPM
	Media Area (Sq Ft)	Initial Res. (in. of W.G.)	Media Area (Sq Ft)	Initial Res. (in. of W.G.)	
90-95% ASHRAE (Standard 52.1 and 52.2 test methods)					
24x24x12	58	0.55	50	0.65	2000
12x24x12	28	0.55	25	0.65	1000
20x24x12	47	0.55	40	0.65	1650
20x20x12	39	0.55	33	0.65	1400
16x20x12	33	0.55	33	0.65	1100
16x25x12	41	0.55	41	0.65	1400
24x24x6	29	0.45	25	0.50	1000
12x24x6	14	0.45	13	0.50	500
20x24x6	24	0.45	21	0.50	830
20x20x6	19	0.45	17	0.50	700
16x20x6	17	0.45	17	0.50	550
16x25x6	24	0.45	24	0.50	700
80-85% ASHRAE (Standard 52.1 and 52.2 test methods)					
24x24x12	58	0.44	50	0.52	2000
12x24x12	28	0.44	25	0.52	1000
20x24x12	47	0.44	40	0.52	1650
20x20x12	39	0.44	33	0.52	1400
16x20x12	33	0.44	33	0.52	1100
16x25x12	41	0.44	41	0.52	1400
24x24x6	29	0.35	25	0.40	1000
12x24x6	14	0.35	13	0.40	500
20x24x6	24	0.35	21	0.40	830
20x20x6	19	0.35	17	0.40	700
16x20x6	17	0.35	17	0.40	550
16x25x6	24	0.35	24	0.40	700
60-65% ASHRAE (Standard 52.1 and 52.2 test methods)					
24x24x12	58	0.31	50	0.36	2000
12x24x12	28	0.31	25	0.36	1000
20x24x12	47	0.31	40	0.36	1650
20x20x12	39	0.31	33	0.36	1400
16x20x12	33	0.31	33	0.36	1100
16x25x12	41	0.31	41	0.36	1400
24x24x6	29	0.21	25	0.27	1000
12x24x6	14	0.21	13	0.27	500
20x24x6	24	0.21	21	0.27	830
20x20x6	19	0.21	17	0.27	700
16x20x6	17	0.21	17	0.27	550
16x25x6	24	0.31	24	0.27	700

## GENERALNOTES

- "Initial Resistance" denotes clean pressure drop in inches of water gauge. Factory recommended final pressure drop for all models of RigidFlow filters is 1.5" of water gauge. System design or other conditions may dictate a lower pressure drop at change-out. Filter sizes as stated are nominal sizes. Actual filter face sizes are 5/8" under in both height and width for 12x24 and 24x24 filters.
- Superior Filtration Products performance tolerances conform to Section 7.4 of API Standard 850.
- Performance values as shown may be averages or estimates to generally represent product styles and models. Values given on this sheet pertain to synthetic media. Contact the factory to obtain values for other media types.
- Superior Filtration Products uses an ongoing research and development model. As such design characteristics, specifications, and performance data may change without notice.