The Activator™ Series

Ring Panels and Links - 2 Ply & 3 Ply

Links

3-Ply MERV-7

2-Ply MERV-6

- **Self-Sealing**
- **Eliminates Bypass**
- **Moisture Resistant**
- **Totally Unitized Assembly**
- **Fast, Easy Installation**
- **No Latches Required**
- **Compact Packaging**

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General Product Information

The Activator Series panels and links consist of layers of multi-denier polyester media sealed around a heavy duty 9 gauge internal wire frame with integral cross wire support members.

Bio-Pure® Antimicrobial Treated Panel

To inhibit microbial growth on the filters, 2-ply Bio-Pure panels are available treated with an EPA Registered antimicrobial agent.

Activator panels offer wide flexibility in meeting the needs of a variety of filtration applications, including:
- General ventilation
- Prefilters
- Stand alone, single stage filtration
- Built up frame banks
- Side access systems
- Rooftop air handlers
- Air supply for paint spray booths
- Economical upgrade from fiber glass or synthetic framed disposable panel filters

Select from 2-ply or 3-ply models to provide the right combination of filter construction, performance and budget to meet your needs.
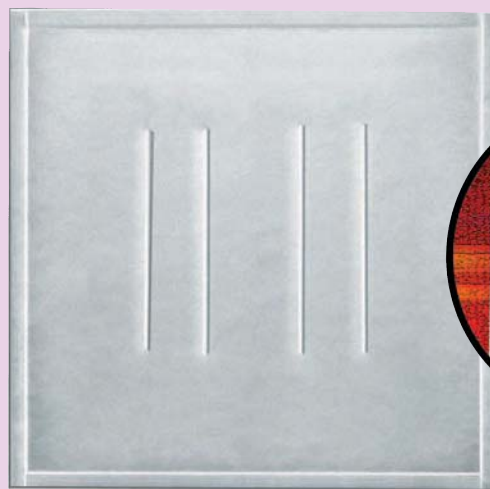
2-Ply - MERV 6

The 2-ply filter is a dual layer design with a multi-denier, blended fiber pad on the air entering side followed by a denser, needled media on the air leaving side that forms a final barrier to capture dirt particles. A dry tack adhesive applied on the air leaving side holds dirt and prevents particles from breaking loose. No particle migration down stream.

Recommended for normal dirt loading applications.
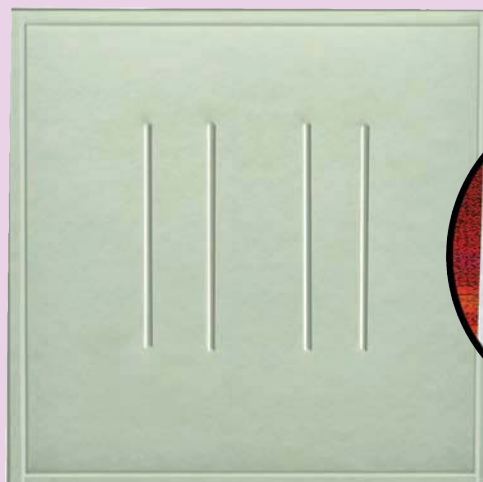
2-Ply

3-Ply - MERV 7

The upstream media is a stratified, dual layer pad made with two distinct layers of polyester fibers for greater depth loading. The down stream media pad is a denser, needled media that forms a final barrier to capture dirt particles. A dry tack adhesive applied on the air leaving side holds dirt and prevents particles from breaking loose. No particle migration down stream.

Recommended for heavier dirt loading conditions or where higher efficiency particulate removal is desired.

3-Ply

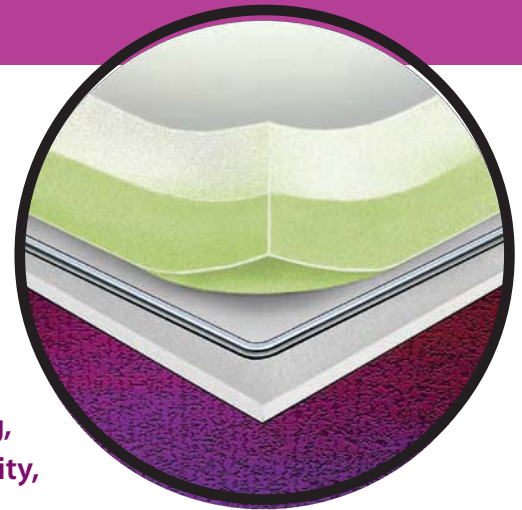# Here's Why The Activator Panels Are Your Best Panel Filter Buy

Multi-Stage Media Construction

AIR FLOW

2-Ply

Layers of multi-denier polyester fibers capture dirt particles throughout the entire depth of the filter - prevents faceloading, increases dust holding capacity, and extends service life.

3-Ply

Pressure Sensitive Tackifier
The air leaving side of the panel is applied with a tackified adhesive to retain collected particles. The adhesive maintains its tacky nature over the life of the filter - does not dry out or blow off the media.

Fast, Easy Installation
Just push the filter into the frame. No clips, no latches, no leakage.

Heavy Duty Internal Wire Frame
The layers of media are heat sealed around a heavy duty, 9 gauge internal wire frame. Cross wire supports welded to the frame provide additional structural strength and hold the media in place to prevent billowing or fluttering in operation.

Full Media Utilization
Panel filters have no perimeter frame or supporting grids to obstruct air flow and block off media. The entire face of the filter is exposed to the air stream.

Retains Collected Dirt Load
Layers of multi-denier fibers hold collected dirt particles throughout the depth of the media. Pressure sensitive tack on the air leaving side assures that the dirt load stays in the filter and does not blow down stream.

Media Does Not Support Microbial Growth
The polyester media does not support microbial growth.

Self-Sealing, Leak-Free -
A unique characteristic of panel filters. The layers of media are larger than the internal wire support frame creating a built in gasket when the filters are installed. They are automatically sealed in the frame or side access track without the use of clips or latches. No dirty air bypass.

Tough, Durable Polyester Media
The inherent strength of polyester fibers combined with the internal frame construction make Activator panels unusually strong. They withstand rough handling and difficult operating conditions without damage or loss of performance.

Moisture Resistant
100% polyester fiber media is completely resistant to moisture. This makes panel filters ideally suited for rooftop installations or other locations where they can be exposed to moisture.
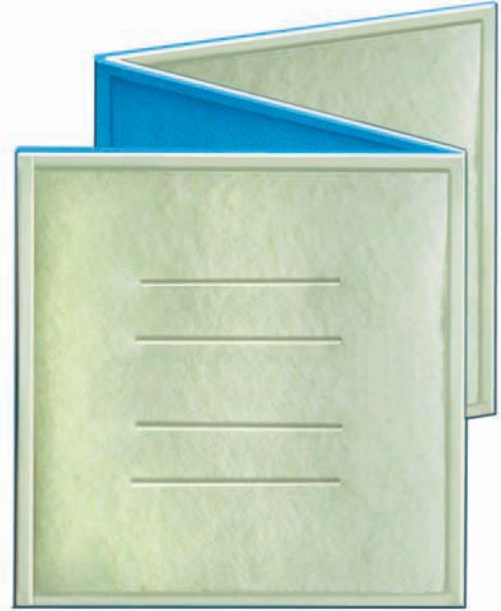
Compact Packaging
Internal frame construction with no perimeter frame creates a low profile design that permits packaging in a compact, space saving carton. Save on shipping, handling and storage, plus easy transportation to the air handler.

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Nominal Size (In.)	Actual Size of Internal Frame (In.)	Rated Air Flow Capacity (CFM)	
		300 FPM	500 FPM
10 x 20	9½ x 19½	425	700
12 x 24	11⅜ x 23⅜	600	1000
15 x 20	14½ x 19½	630	1050
16 x 20	15½ x 19½	670	1120
16 x 24	15⅜ x 23⅜	800	1340
16 x 25	15½ x 24½	840	1400
18 x 24	17⅜ x 23⅜	900	1500
20 x 20	19½ x 19½	840	1400
20 x 24	19⅜ x 23⅜	1000	1670
20 x 25	19½ x 24½	1050	1750
24 x 24	23⅜ x 23⅜	1200	2000
25 x 25	24½ x 24½	1310	2170

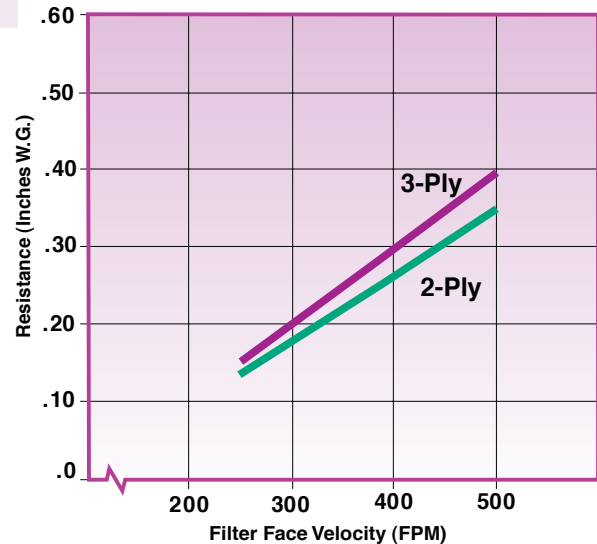**All 2-ply and 3-ply models are available as link panel filters**

1. All performance data is based on the ASHRAE 52.2-2007 Test Standard, at a test velocity of 295 FPM for a 24x24 nominal size filter.
2. Width and height dimensions are interchangeable. Activator panels can be installed with the cross wires in the vertical or horizontal position.

Continuous Operating Temperature Limit: 220°F (104°C)

Underwriters Laboratories Classification: Activator panels are classified U.L. Class 2 per U.L. Standard 900. Class 1 panels are available.

	2-Ply	3-Ply
MERV Performance_____	6	7
Initial Resistance @300 FPM _____	.17"	.20"
@500 FPM _____	.35"	.39"
Recommended Final Resistance _____	1.0" W.G.	1.0" W.G.

Initial Resistance vs. Filter Face Velocity

ATI-ACT-309

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