

AIR FLOW TECHNOLOGY inc.

Series 635 Panel Filters

Air Flow Technology Series 635 self-supported panels and links are designed for commercial and industrial HVAC applications. Dual tackified, 3 ply Series 635 panels may be utilized as stand alone filters or as prefiltration in combination with high efficiency bag or rigid box filter systems.

When packed in cartons, the panel design creates a space savings that results in a **50% reduction** in shipping, handling and warehousing over a standard case of 12 cardboard frame flat panel or pleated filters.

The Series 635 Panel is constructed of 100% polyester media impregnated with two non-migrating

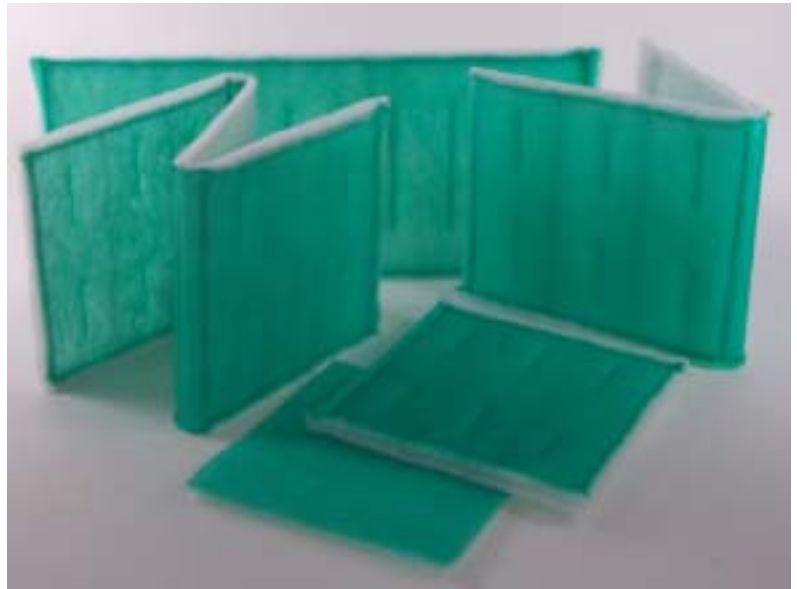


Actual Thickness: 1-1/4"

tackifiers. It is non-toxic, unaffected by humidity and inherently resistant to microbial growth. The media is heat-sealed to a 9 gauge internal support frame.

Graduated density loading - The 3 ply design of the Series 635 panel promotes graduated density loading. This structure, along with the application of a **dual tackifier**, enhances efficiency and optimizes service life (dust holding capacity).

The first ply is porous and traps large particles. The second ply incorporates an internally applied wet tackifier to capture increasingly smaller particles. The third ply is designed with fine denier fibers and a dry tackifier for enhanced fine filtration.



Linked Filters for Side Access

Available in a broad range of standard and custom sizes, these panels may be linked for optimal fit in any size system. When linked, Series 635 panel filters offer numerous advantages over cardboard framed pleated panels or fiberglass filters.

Ease of Installation - Links slide easily in and out of the housing without tape or collapse. The rigidity of the internal 9 gauge wire frame enhances the filter bank integrity.

Leak-proof Seal - When installed, the leak-proof, self-seal panels eliminate the potential of any dirty air bypass between or around the filters.



PERFORMANCE DATA

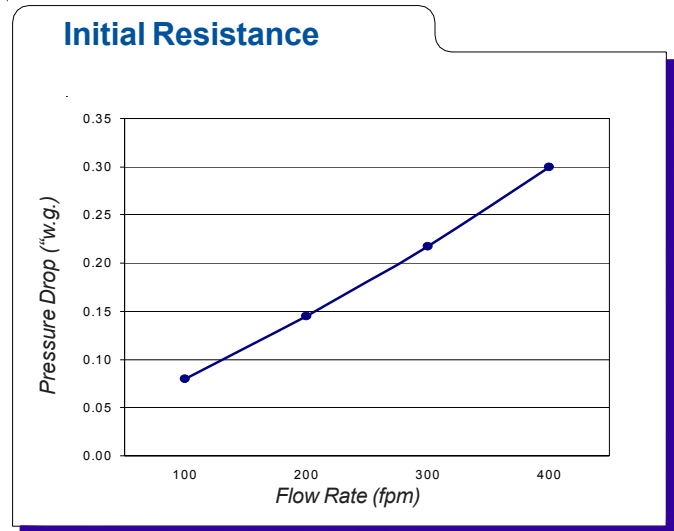
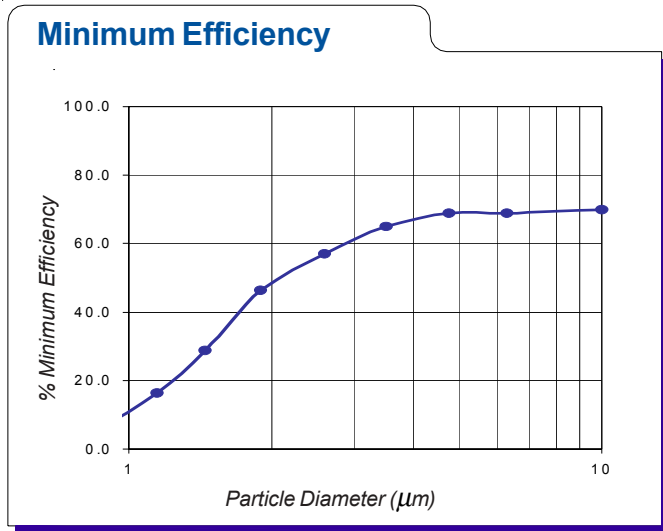
SERIES 635

Air Flow Technology provides independent test data on particle size efficiency and initial resistance to rated air flow on all of its HVAC filtration products. This information is provided to assist you in the proper selection of a filter system for your particular application. Whether your requirement is low static pressure (resistance) or high performance, you can depend on the independent data provided to guide your selection process to the proper AFT product.

| <i>SERIES 635 - Independent Test Data</i> | <i>Unit</i> | <i>ASHRAE 52.1</i> | <i>ASHRAE 52.2</i> |
|---|-----------------|--------------------|--------------------|
| Rated Air Flow | cfm | 1200 | 1180 |
| Initial Resistance (ΔP) | "w.g. | .23 | .21 |
| Average Efficiency* | % | >32 | - |
| Dust Holding Capacity* | grams@1.00"w.g. | 212 | - |
| MERV Rating** | - | - | MERV 7 |

*24" X 24" filter tested per ASHRAE 52.1-1992 **24" X 24" filter tested per ASHRAE 52.2, Test Aerosol KCl, Neutralized

Series 635 Panel Filters*



*24" X 24" filter tested per ASHRAE 52.2, Test Aerosol KCl, Neutralized

SERIES 635 SPECIFICATION

Air filters shall be as manufactured by Air Flow Technology, Inc. Filter construction shall be of multi-layer non-toxic synthetic media, securely heat-sealed around the external periphery of a 9 gauge metal internal support wire frame. The media shall provide gradient density for maximum contaminant loading and shall incorporate a dual tackifier for enhanced performance. Each filter shall be rated UL 900, Class 2 by Underwriters Laboratories, Inc. Each filter shall have a ASHRAE efficiency rating of greater than 32% and a dust holding capacity of 212 grams based on 52.1-1992 at its rated air flow. ASHRAE 52.2 MERV rating shall be 7 with an initial resistance not to exceed 0.21 inches w.g. at its rated air flow.

For other quality HVAC, Industrial Finishing, and Paint Spraybooth Filtration Products, refer to HVAC Filtration All Product Bulletin HPB1, and Paint Spray Booth Filtration All Product Bulletin PPB1.



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