

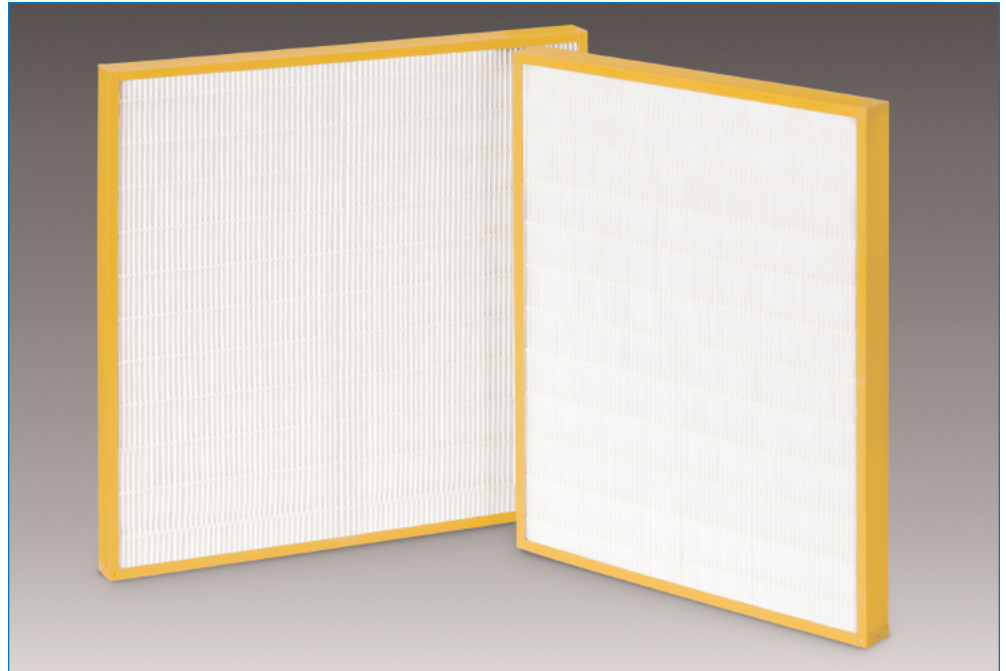


FILTRATION GROUP®

NEXFIL® HIGH EFFICIENCY MINI-PLEAT AIR FILTER



- *Advanced media and design provide high efficiency filter in a compact design*
- *100% synthetic media and frame*
- *Removes pollen and airborne irritants from HVAC system*
- *Protects humans and equipment from airborne dust*
- *MERV 15 Nexfil removes over 85% of particles 0.3-1.0 micron size from the airstream*
- *Durable construction eliminates damage during handling and installation*
- *Available in multiple sizes and no system modification required*
- *Low resistance to air flow saves energy costs*
- *Long service life*



DESCRIPTION

The Aerostar® Nexfil® high efficiency mini-pleat air filter is specifically designed to provide high levels of air filtration efficiency to remove pollens, molds, dust, and other airborne irritants. Nexfil filters can greatly increase indoor air quality by removing these fine particles from the air. The high level of efficiency protects humans, ductwork, cooling coils, as well as any vulnerable items in the conditioned air space.

Nexfil is constructed with a state-of-the-art synthetic media which is extremely durable. The media pack is adhered to a high impact plastic frame which is very resistant to moisture and high humidity installations. The combination provides a tough filter that is nearly impervious to the damage often incurred during shipping, handling, and installation. The filter is lightweight, easy to transport, install, and can reduce disposal volume. Nexfil's compact 2" mini-pleat is designed to allow facility engineers to improve air quality and increase IAQ levels without system modification.

BENEFITS

The Nexfil high efficiency mini-pleat filter has independent test lab data confirming exceptionally high levels of airborne particulate removal in a compact 2" depth design.

- MERV 11, MERV 13 and MERV 15 styles available to meet efficiency requirements
- Multiple sizes available to directly replace existing low efficiency filters
- 100% synthetic media provides low resistance to air flow, lowering energy consumption
- Robust materials and design create a very durable and damage resistant filter
- Highly effective removing 0.3-1.0 micron particles from the airstream

APPLICATIONS

- Commercial Buildings
- Healthcare Facilities
- Government Facilities
- Schools & Universities
- Hotel & Convention Centers

NEXFIL® HIGH EFFICIENCY MINI-PLEAT AIR FILTER



DIMENSIONS AND PERFORMANCE DATA

PART NUMBER			NOMINAL (H x W x D) SIZE	CFM CAPACITIES	
MERV 11	MERV 13	MERV 15		MEDIUM	HIGH
81112122	81312122	81512122	12 x 12 x 2	375	500
81112162	81312162	81512162	16 x 12 x 2	500	667
81112182	81312182	81512182	18 x 12 x 2	563	750
81112202	81312202	81512202	20 x 12 x 2	625	833
81112242	81312242	81512242	24 x 12 x 2	750	1000
81112252	81312252	81512252	25 x 12 x 2	781	1042
81116162	81316162	81516162	16 x 16 x 2	667	889
81116202	81316202	81516202	20 x 16 x 2	833	1111
81116242	81316242	81516242	24 x 16 x 2	1000	1333
81116252	81316252	81516252	25 x 16 x 2	1042	1389
81118202	81318202	81518202	20 x 18 x 2	938	1250
81118242	81318242	81518242	24 x 18 x 2	1125	1500
81120202	81320202	81520202	20 x 20 x 2	1042	1389
81120242	81320242	81520242	24 x 20 x 2	1250	1667
81124242	81324242	81524242	24 x 24 x 2	1500	2000
81120252	81320252	81520252	25 x 20 x 2	1303	1736
81125252	81325252	81525252	25 x 25 x 2	1628	2170

*Contact Customer Service for special and actual sizes.

APPLICATION PARAMETERS

Filter Media: Gradient Dual Density Synthetic Material
 Recommended Temperature: 150° F
 Recommended Final Resistance: 1.5" w.g.
 Frame: High Impact Plastic
 Relative Humidity: 100%

NEXFIL ENGINEERING SPECIFICATIONS

1.0 General

- 1.1 Filters shall be Aerostar® Nexfil mini-pleat air filters as manufactured by Filtration Group.
- 1.2 Underwriters Laboratories classified to UL 900.
- 1.3 Filters shall be available in a nominal depth of 2".
- 1.4 Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction

- 2.1 Media shall be 100% synthetic, gradient dual density media that does not support microbial growth.
- 2.2 Frame shall be constructed with high-impact plastic and impervious to moisture and high humidity.
- 2.3 Media pack shall be adhered to plastic frame on all sides to prevent air by-pass.
- 2.3 Filter shall have a hot melt bead separator to maintain pleat pack stability and ensure consistent pleat spacing for optimum air flow.

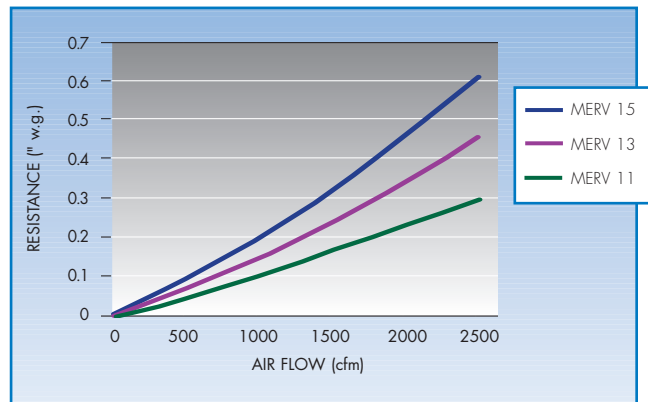
3.0 Filter Performance

- 3.1 Filters shall be available in MERV 11 for low efficiency, MERV 13 for medium efficiency and MERV 15 for high efficiency when tested in accordance with ASHRAE 52.2-2007.
- 3.2 Initial resistance of filters shall not exceed the following:

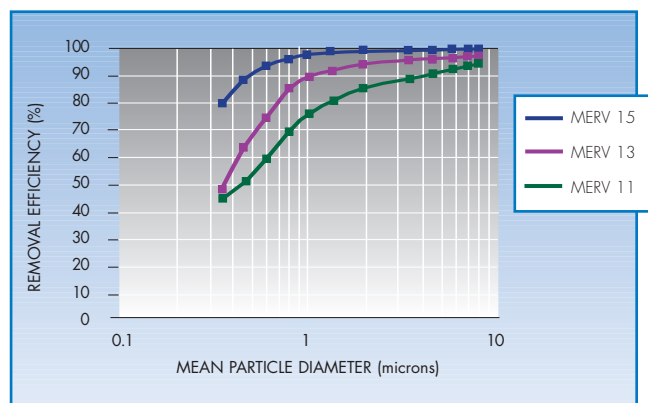
Filter Depth	Flow Rate (fpm)	Initial Resistance		
		MERV 11	MERV 13	MERV 15
2"	500	0.24" w.g.	0.35" w.g.	0.45" w.g.

- 3.3 Filter shall be rated to withstand a continuous operating temperature up to 150°F.
- 3.4 Filter shall have a recommended final resistance of 1.5" w.g.

INITIAL RESISTANCE



FRACTIONAL EFFICIENCY



Durable media pack resists damage.



Plastic stiffening spar for increased pack rigidity on larger size filters.

Distributed by:



FILTRATION GROUP®

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