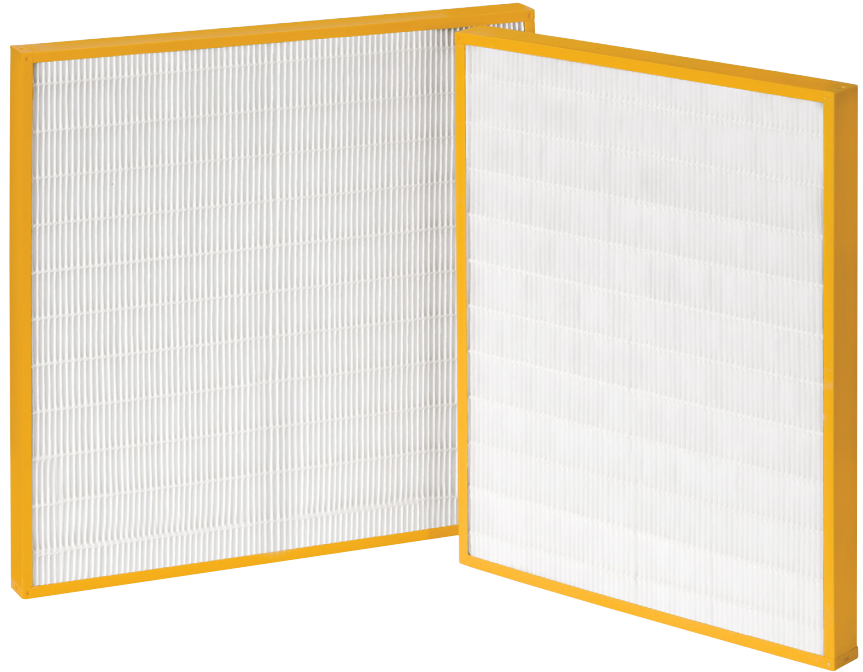


PRODUCT OVERVIEW

- MERV 11, 13, 15
- 2" high efficiency filter design
- Gradient dual density synthetic media
- Side gasketing available
- Max Temperature - 150°F
- Ideal for use in
 - Light Commercial
 - Manufacturing and Distribution
 - Health Care/Government Facilities
 - Schools/Universities
 - Hotels and Hospitality



AEROSTAR NEXFIL[®] MINI-PLEAT

WHY THE NEXFIL MINI-PLEAT?

- Advanced media and design provides a high efficiency filter in a compact configuration
- Available in multiple sizes with no system modification required to increase IAQ levels from standard 2" pleats
- Low resistance to air flow results in energy savings
- Maximum flow rate of 625 fpm
- High level of filtration in a 2" depth to remove pollens, dust, molds and other airborne irritants
- High impact plastic frame creates an exceptionally durable lightweight filter
- Can be used in variable air volume systems (VAV) and 100% relative humidity applications
- Compact design saves shipping and storage space and minimizes handling
- Durable synthetic materials resist physical damage to the filter packs
- Sustainable component for a LEED/Green Building initiative
- Environmentally friendly
 - No metal corrosion
 - Fully incinerable
 - Reduces landfill waste



NEXFIL® MINI-PLEAT

PERFORMANCE DATA (24 x 24 x 2)

MERV	INITIAL RESISTANCE ("w.g.)			FINAL RESISTANCE ("w.g.)
	375 fpm	500 fpm	625 fpm	
11	0.19	0.27	0.36	1.5
13	0.25	0.36	0.48	1.5
15	0.34	0.46	0.60	1.5

Products tested and intended for installation with pleats in vertical orientation. First filter dimension corresponds to the vertical dimension

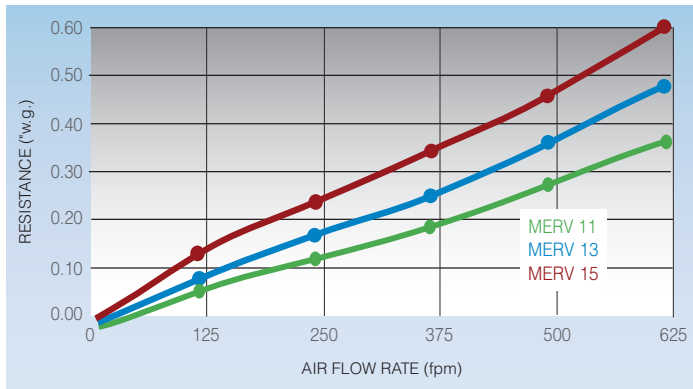


Durable media pack resists damage.

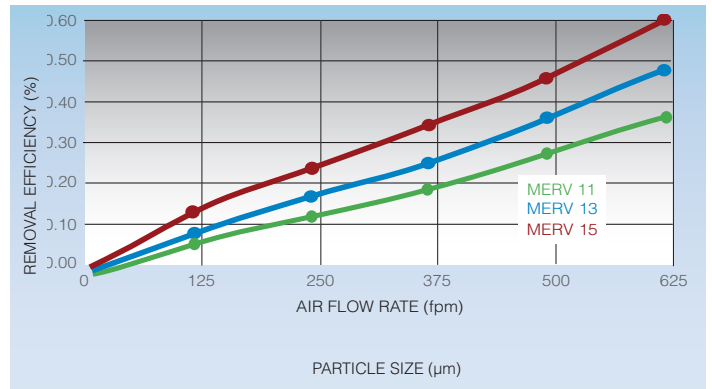


Plastic stiffening spar for increased pack rigidity on larger size filters.

INITIAL RESISTANCE (24 x 24 x 2)



MINIMUM REMOVAL EFFICIENCY (24 x 24 x 2)



PRODUCT DATA

PART NUMBER			NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES	
MERV 11	MERV 13	MERV 15			375 fpm	500 fpm
81112122	81312122	81512122	12 x 12 x 2	11 3/8 x 11 3/8 x 1 3/4	375	500
81112162	81312162	81512162	16 x 12 x 2	15 3/8 x 11 3/8 x 1 3/4	500	667
81112182	81312182	81512182	18 x 12 x 2	17 3/8 x 11 3/8 x 1 3/4	563	750
81112202	81312202	81512202	20 x 12 x 2	19 3/8 x 11 3/8 x 1 3/4	625	833
81112242	81312242	81512242	24 x 12 x 2	23 3/8 x 11 3/8 x 1 3/4	750	1000
81112252	81312252	81512252	25 x 12 x 2	24 3/8 x 11 3/8 x 1 3/4	781	1042
81116162	81316162	81516162	16 x 16 x 2	15 3/8 x 15 3/8 x 1 3/4	667	889
81116202	81316202	81516202	20 x 16 x 2	19 3/8 x 15 3/8 x 1 3/4	833	1111
81116242	81316242	81516242	24 x 16 x 2	23 3/8 x 15 3/8 x 1 3/4	1000	1333
81116252	81316252	81516252	25 x 16 x 2	24 3/8 x 15 3/8 x 1 3/4	1042	1389
81118202	81318202	81518202	20 x 18 x 2	19 3/8 x 17 3/8 x 1 3/4	938	1250
81118242	81318242	81518242	24 x 18 x 2	23 3/8 x 17 3/8 x 1 3/4	1125	1500
81120202	81320202	81520202	20 x 20 x 2	19 3/8 x 19 3/8 x 1 3/4	1042	1389
81120242	81320242	81520242	24 x 20 x 2	23 3/8 x 19 3/8 x 1 3/4	1250	1667
81120252	81320252	81520252	25 x 20 x 2	24 3/8 x 19 3/8 x 1 3/4	1303	1736
81124242	81324242	81524242	24 x 24 x 2	23 3/8 x 23 3/8 x 1 3/4	1500	2000
81125252	81325252	81525252	25 x 25 x 2	24 3/8 x 24 3/8 x 1 3/4	1628	2170

* Contact Customer Care for additional sizes and information.

ENGINEERING SPECIFICATIONS

1.0 General

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

2.0 Filter Materials of Construction

- Media shall be 100% synthetic, gradient dual density media that does not support microbial growth.
- Frame shall be constructed with high-impact plastic and impervious to moisture and high humidity.

- Media pack shall be adhered to plastic frame on all sides to prevent air by-pass.
- 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

- 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 Test Standard.
- For initial resistance of filters, see Performance Data chart above.
- Filter shall be rated to withstand a continuous operating temperature up to 150°F.
- Filter shall have a recommended final resistance of 1.5" w.g.

