



Pre Pleat 62RM11

Ultra High Efficiency Pleated Filters

Standard Capacity: 85655.xxxxxxM11

High Capacity: 85755.xxxxxxM11

Pre Pleat 62RM11 (Merv 11 (60-65% per Ashrae 52.1-1992))

Pre Pleat 62RM11 pleated panel filter enables a significant upgrade in collection efficiency over existing MERV 8 products at the same resistance levels. From 30-35% to 60-65% average per Ashrae 52.1-1992 average dust spot efficiency at nearly the same pricing levels.

Bi-component media: Our next-generation ultra-high performance bi-component synthetic media contains mechanically engineered tri-lobal fibers with inhomogenous domains of positive and negative Electret charges within the bi-component fibers to equal an ultra-high performance product.

Enhanced fibers: Mechanically and electrostatically enhanced fibers are precisely structured into a progressive density gradient structure to enhance airflow throughput with less resistance while providing high dust holding capacity and ultra-high efficiency during operational life.

Gradient media structure: Proprietary "Engineered Gradient Media Structure" enables larger incoming contaminants to be trapped in the pre-filter layer thus allowing the highly charged secondary layer to attract and hold smaller particulate, thereby increasing the life of more expensive final filters downstream.

High efficiency at low pressure drop: This proprietary media combined with Flanders' unique V-Pleat manufacturing design equals the highest performance pleat available on the market today. The proprietary PrePleat 62RM11 can provide an initial efficiency of MERV 11, (60-65%) at a resistance of 75 pascals on the high capacity model. This equals the same resistance level of our Pre-Pleat 40 62R Merv 8 Pleat.

No competitor in the marketplace can match these performance levels which are substantiated with independent testing. Flanders is the first in the marketplace with this new proprietary product.



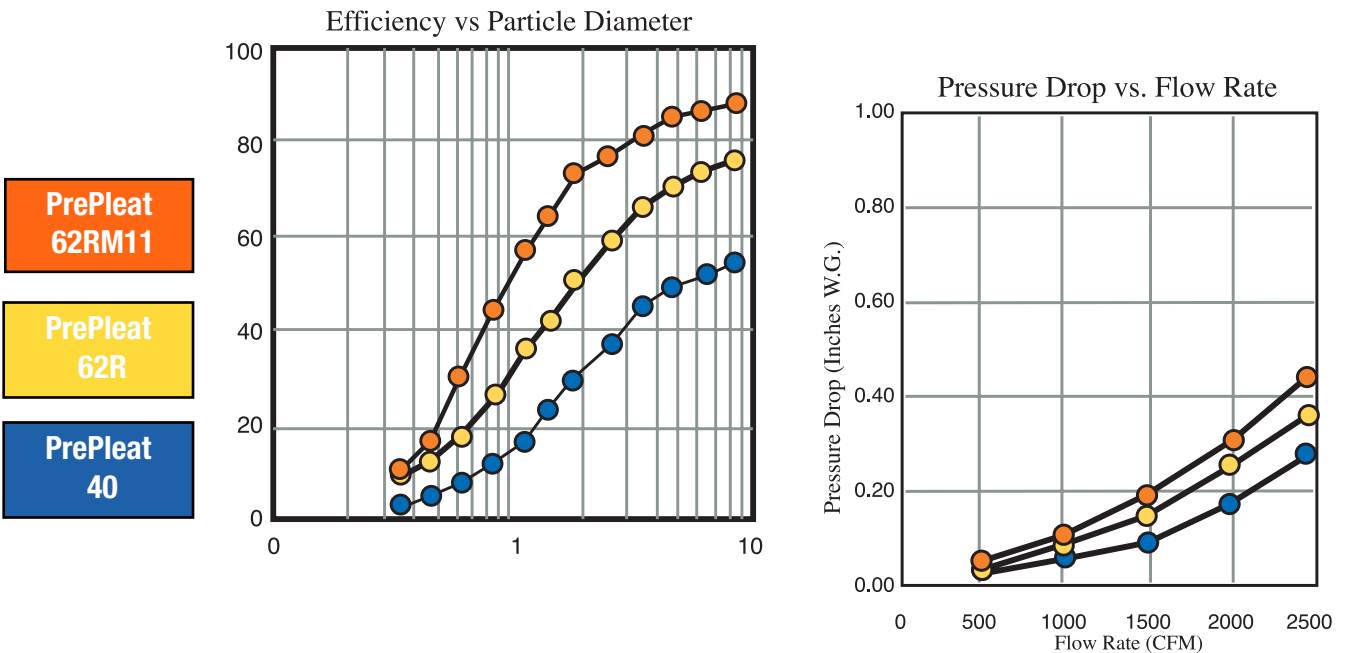
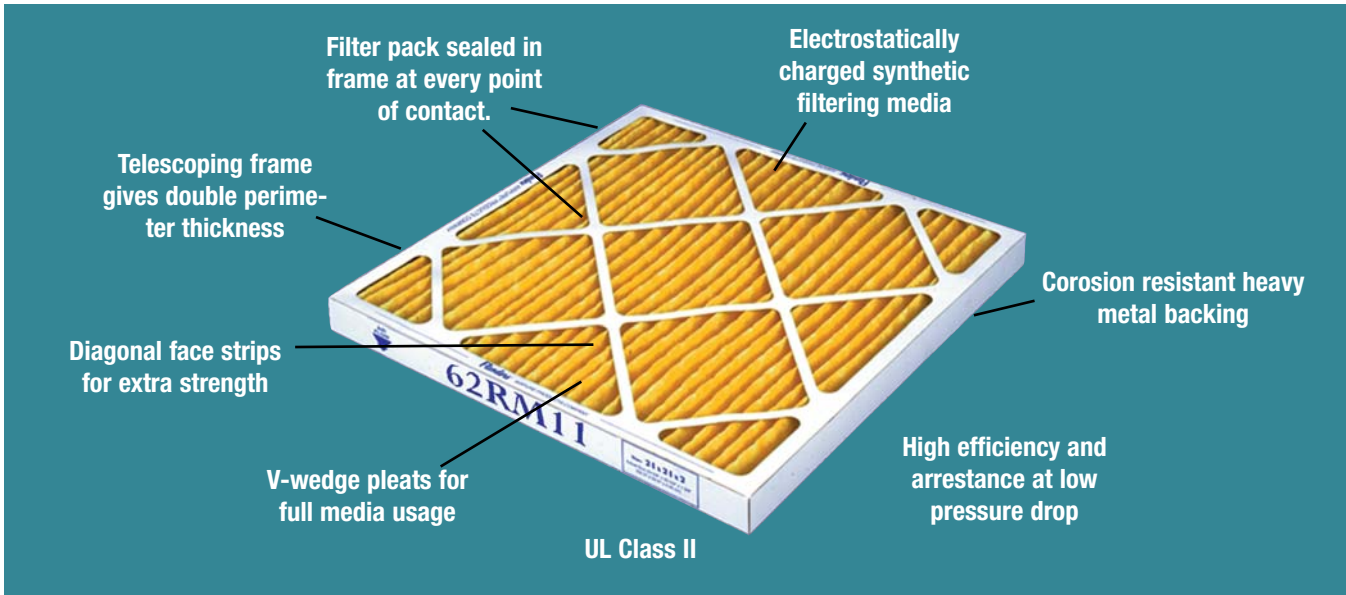
Resistance:

Airflow resistance of a High Capacity PrePleat 62R M11 is 75 pascals @ 944 L/sec (2.54 m/sec) Standard Capacity is 85 pascals @ 944 L/sec .

Efficiency:

| | |
|--------------------|------------------------|
| 1.3 to 1.6 microns | 63% removal efficiency |
| 7-10 microns | 90% removal efficiency |

- Upgrade existing rooftop and secular systems by up to 300% in efficiency to remove incoming contaminants not previously removed.
- Upgrade existing prefilter plenums with the 62RM11 Pleat to increase the life of your more expensive final filters downstream.
- Building owners and occupants will be significantly better protected from a bioaerosol hazard than with conventional filters.
- Available by special ordering in High-Velocity design. Contact Factory for pricing



Guide Specifications

1.0 General

1.1 Air filters shall be Model Pre Pleat 62RM11 panel filters, as manufactured by Flanders.

2.0 Filter Construction

2.1 Each filter shall consist of an electrostatically charged synthetic only media, with corrosion-resistant expanded metal backing and moisture resistant enclosing frame. The filter shall be 25, 50 or 100 mm nominal depth. The grid shall be 100% bonded to the media on the air exiting side to eliminate media vibration and pullaway.

2.2 The grid shall be formed to provide a uniform V-wedge shaped pleat with the open area on the air exiting side for maximum utilization of the media and low airflow resistance. The filter shall be classified for flammability by Underwriters Laboratories, Standard 900 as Class 2.

3.0 Performance

3.1 The filter shall have a Minimum Efficiency Reporting Value of 11 by ASHRAE Standard 52.2.

Flanders - Foremost in Air Filtration