

PREpleat® M11 HC

(MERV 11 High Capacity)

EXTENDED SURFACE PLEATED PANEL FILTERS

- High efficiency with low initial resistance
- 100% synthetic recyclable high-loft media
- 2-piece heavy-duty die-cut frame
- Expanded metal backing
- Double-wall frame
- Diagonal grid supports for maximum strength
- MERV 11

The PREpleat M11 HC pleated panel filter enables a significant upgrade in collection efficiency over existing MERV 8 products. A 25–30% average efficiency filter can be upgraded to 60–65% efficiency at roughly the same resistance levels, when this filter is utilized.

Superior Design and Construction

Media: Progressive density bi-component fibers.

Airflow Resistance on 24" x 24" x 2": 0.30" w.g. @ 2000 CFM (500 FPM)

Media Support: Diamond-shaped expanded metal.

Pleat Design: V-Pleat design aids in pressure drop while reducing energy cost. Design allows for maximum airflow and Dust Holding Capacity (DHC) during the life of the filter.

Frame: Moisture-resistant clay coated frame.

Bi-Component Media: Ultra-high performance bi-component synthetic media contains electrostatically engineered trilobal fibers within homogenous domains of positive and negative Electret charges. These Electret charges in the bi-component fibers contribute to an ultra-high performance product.

Enhanced Fibers: Electrostatically enhanced fibers are precisely structured into a progressive density gradient structure to enhance airflow throughput with less resistance while providing high DHC and ultra-high efficiency during operational life.

Gradient Media Structure: Proprietary gradient media structure enables larger incoming contaminants to be trapped in the prefilter layer, thus allowing the highly charged secondary layer to attract and hold smaller particulate. This increases the life of more expensive final filters downstream.

High Efficiency at Low Pressure Drop: This proprietary media, combined with AAF Flanders unique V-Pleat manufacturing design, equals the highest performance pleat available on the market today.



PREpleat® M11 HC Filters

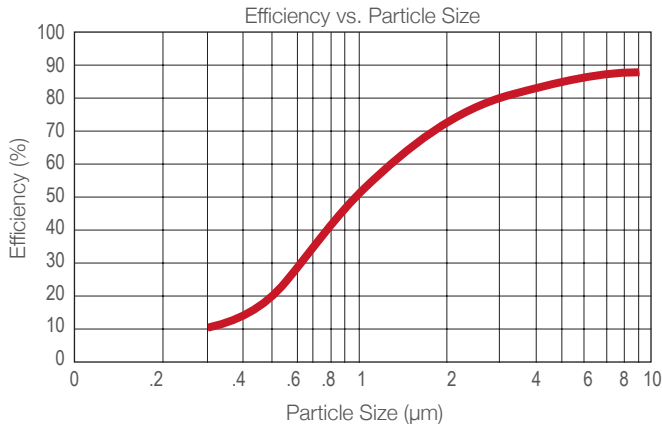
Performance Data

Filter	Pleats Per Linear Foot	Rated Initial Resistance (in. w.g.)		Recommended Final Resistance (in. w.g.)	ASHRAE 52.2 MERV	Continuous Operating Temperature Limits
		300 FPM	500 FPM			
1" PREpleat M11 HC	15	0.15	0.38	1.0	11	180°F (82°C)
2" PREpleat M11 HC	15	0.13	0.30	1.0	11	180°F (82°C)
4" PREpleat M11 HC	13	0.10	0.23	1.0	11	180°F (82°C)

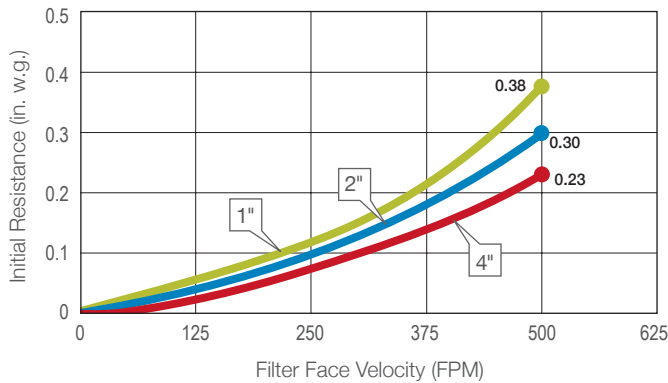
All performance data based on ASHRAE Standard 52.2. Performance tolerance conforms to Section 6.4 of ANSI/AHRI Standard 850-2013.

Underwriters Laboratories Classification – PREpleat M11 HC filters are UL Classified. Testing was performed according to UL Standard 900.

Composite Minimum Efficiency Curve



Initial Resistance vs. Filter Face Velocity



Energy savings may be realized by operating the PREpleat M11 HC filters to a lower final resistance. Contact your local AAF Flanders representative for a Total Cost of Ownership analysis for your specific application.

PREpleat® is a registered trademark of Flanders Corporation in the U.S.

Product Information – Standard Sizes

Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow (SCFM)			Pleats Per Filter	Gross Media Area (sq. ft.)
		300 FPM	500 FPM	625 FPM		
10 x 10 x 1	9½ x 9½ x ¾	200	350	–	12	1.3
10 x 20 x 1	9½ x 19½ x ¾	400	700	–	12	2.7
12 x 20 x 1	11½ x 19½ x ¾	500	850	–	14	3.1
12 x 24 x 1	11½ x 23½ x ¾	600	1000	–	14	3.7
14 x 20 x 1	13½ x 19½ x ¾	600	950	–	17	3.8
14 x 25 x 1	13½ x 24½ x ¾	750	1200	–	17	4.7
15 x 20 x 1	14½ x 19½ x ¾	650	1050	–	18	4.0
16 x 20 x 1	15½ x 19½ x ¾	650	1100	–	19	4.2
16 x 25 x 1	15½ x 24½ x ¾	850	1400	–	19	5.3
18 x 20 x 1	17½ x 19½ x ¾	750	1250	–	22	4.9
18 x 24 x 1	17½ x 23½ x ¾	900	1500	–	22	5.9
18 x 25 x 1	17½ x 24½ x ¾	950	1550	–	22	6.1
20 x 20 x 1	19½ x 19½ x ¾	850	1400	–	24	5.3
20 x 24 x 1	19½ x 23½ x ¾	1000	1650	–	24	6.4
20 x 25 x 1	19½ x 24½ x ¾	1050	1750	–	24	6.7
20 x 30 x 1	19½ x 29½ x ¾	1250	2050	–	37	8.2
24 x 24 x 1	23¾ x 23¾ x ¾	1200	2000	–	29	7.7
25 x 25 x 1	24½ x 24½ x ¾	1300	2150	–	31	8.6
10 x 20 x 2	9½ x 19½ x 1¾	400	700	850	12	6.1
12 x 20 x 2	11½ x 19½ x 1¾	500	850	1050	14	7.1
12 x 24 x 2	11½ x 23½ x 1¾	600	1000	1250	14	8.5
14 x 20 x 2	13½ x 19½ x 1¾	600	950	1150	17	8.6
14 x 25 x 2	13½ x 24½ x 1¾	750	1200	1500	17	10.8
15 x 20 x 2	14½ x 19½ x 1¾	650	1050	1300	18	9.1
16 x 20 x 2	15½ x 19½ x 1¾	650	1100	1400	19	9.6
16 x 24 x 2	15½ x 23½ x 1¾	800	1350	1650	19	11.5
16 x 25 x 2	15½ x 24½ x 1¾	850	1400	1750	19	12.0
18 x 20 x 2	17½ x 19½ x 1¾	750	1250	1550	22	11.1
18 x 24 x 2	17½ x 23½ x 1¾	900	1500	1900	22	13.4
18 x 25 x 2	17½ x 24½ x 1¾	950	1550	1950	22	13.9
20 x 20 x 2	19½ x 19½ x 1¾	850	1400	1750	24	12.1
20 x 24 x 2	19½ x 23½ x 1¾	1000	1650	2100	24	14.6
20 x 25 x 2	19½ x 24½ x 1¾	1050	1750	2150	24	15.2
20 x 30 x 2	19½ x 29½ x 1¾	1250	2050	2600	38	19.2
24 x 24 x 2	23¾ x 23¾ x 1¾	1200	2000	2500	29	17.6
25 x 25 x 2	24½ x 24½ x 1¾	1300	2150	2700	31	19.6
12 x 24 x 4	11½ x 23½ x 3¾	600	1000	1250	11	14.0
16 x 20 x 4	15½ x 19½ x 3¾	650	1000	1400	15	15.8
16 x 25 x 4	15½ x 24½ x 3¾	850	1400	1750	15	19.9
18 x 24 x 4	17½ x 23½ x 3¾	900	1500	1875	17	21.6
20 x 20 x 4	19½ x 19½ x 3¾	850	1400	1750	19	20.1
20 x 24 x 4	19½ x 23½ x 3¾	1000	1650	2100	21	22.2
20 x 25 x 4	19½ x 24½ x 3¾	1050	1750	2150	19	25.1
24 x 24 x 4	23¾ x 23¾ x 3¾	1200	2000	2500	21	26.7
25 x 29 x 4	24¾ x 28¾ x 3¾	1500	2500	3150	27	35.7



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AFP-1-388B 11/21