

General

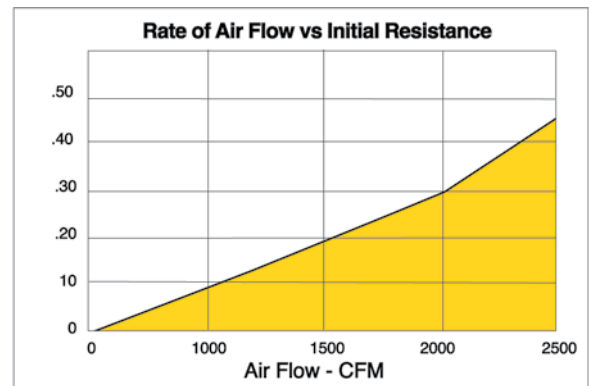
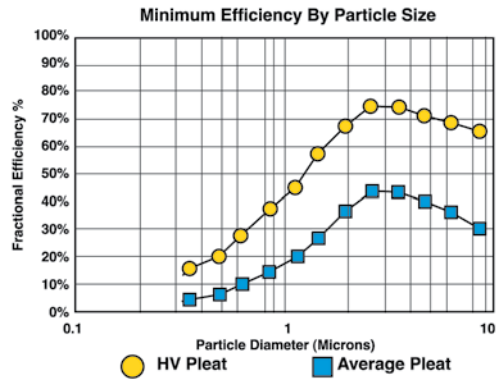
The Pre Pleat HV pleated filter from Flanders Precisionaire is designed to operate in high velocity and turbulent air applications where standard pleated filters have a tendency to fail.

They are ideal for gas turbine and rotary machinery equipment or any area requiring a pleated filter to operate under demanding use.

PrePleat HV filters are offered in the most popular face sizes in 2" and 4" depths.

Construction

A heavy-duty, die-cut, clay coated frame encloses the media pack. A 100% hydrophobic synthetic media is bonded to a corrosion-resistant, 1-1/4 in. mesh expanded metal backing which is substantially heavier than standard metal backing. These features result in a more efficient, durable and reliable product.



Important Features

- Moisture resistant die-cut frame
- Heavy gauge metal backing for exceptional strength
- 1 in., 2 in., 4 in. depths
- Special sizes available
- MERV 8 rating, per ASHRAE Standard 52.2



Pleated
Air Filters

Nominal Size W x H x D (in.)	300 fpm		500 fpm		Media Area sq. ft.
	cfm	PD	cfm	PD	
10 x 20 x 2	417	0.13	694	0.29	6.2
12 x 20 x 2	500	0.13	833	0.29	7.2
12 x 24 x 2	600	0.13	1000	0.29	8.6
14 x 20 x 2	583	0.13	972	0.29	8.7
14 x 25 x 2	729	0.13	1215	0.29	11.0
15 x 20 x 2	625	0.13	1042	0.29	9.3
16 x 20 x 2	667	0.13	1110	0.29	9.8
16 x 25 x 2	834	0.13	1390	0.29	12.3
18 x 24 x 2	900	0.13	1500	0.29	13.6
18 x 25 x 2	938	0.13	1563	0.29	14.2
20 x 20 x 2	834	0.13	1390	0.29	12.3
20 x 24 x 2	1000	0.13	1667	0.29	14.8
20 x 25 x 2	1042	0.13	1735	0.29	15.5
24 x 24 x 2	1200	0.13	2000	0.29	17.6
25 x 25 x 2	1300	0.13	2170	0.29	19.0

Nominal Size W x H x D (in.)	300 fpm		500 fpm		Media Area sq. ft.
	cfm	PD	cfm	PD	
12 x 24 x 4	600	0.10	1250	0.35	16.5
16 x 20 x 4	667	0.10	1390	0.35	18.0
16 x 25 x 4	834	0.10	1735	0.35	22.6
18 x 24 x 4	900	0.10	1500	0.35	24.2
20 x 20 x 4	834	0.10	1735	0.35	22.3
20 x 24 x 4	1000	0.10	1667	0.35	24.0
20 x 25 x 4	1042	0.10	2170	0.35	27.7
24 x 24 x 4	1200	0.10	2500	0.35	28.8
25 x 29 x 4	1500	0.10	3100	0.35	38.4
28 X 30 X 4	1680	0.10	3500	0.35	42.6

Performance values shown in this publication may be averages or estimates intended to generally represent product styles. Contact factory for latest test data on specific Flanders Precisionaire models.

Guide Specifications

1.0 General

- 1.1 High velocity Pre Pleat HV extended surface pleated filter shall be manufactured by Flanders Precisionaire.
- 1.2 Filter sizes and capacities shall be as scheduled on the drawings.

2.0 Filter Construction

- 2.1 Filter media shall be manufactured of 100% electrostatically charged synthetic fibers and bonded to a corrosion resistant expanded metal backing.
- 2.2 The frame shall be moisture resistant board with diagonal and horizontal support members on the upstream and downstream sides

3.0 Performance

- 3.1 Initial and final resistance shall not exceed the scheduled values.
- 3.2 Media area must be equal to that of the specified filter.
- 3.3 The minimum efficiency shall be a MERV 8 rating per ASHRAE Standard 52.2 and 30-35% dust spot efficiency per ASHRAE Standard 52.1.
- 3.4 The manufacturer shall guarantee performance as stated in the literature within tolerances as outlined in Section 7.4 of ARI Standard 850.

Flanders Precisionaire - Foremost in Air Filtration
Toll Free: 1-800-347-2220