

Up to 400°F

Flanders Pre Pleat HT filters are designed for increased air filtration efficiencies in an operating environment where temperatures reach 400 degrees Fahrenheit. Typical examples include air intakes for drying ovens or high temperature baking applications.

Construction

The Pre Pleat HT high temperature pleated air filter consists of a nominal 50% dust spot efficiency micro-fine fiberglass filtration media that has been bonded to corrosion-resistant expanded metal backing, then pleated into either standard or high capacity packs.

Each pack is encased within a 24 gage corrosion-resistant metal frame with an expanded corrosion-

resistant metal face screen on the downstream side to increase pack rigidity while preventing blowouts.

Flanders Pre Pleat HT pleated air filters are offered in two inch depths in all of the most popular face sizes. They have been tested by Underwriters Laboratories, Incorporated and found to meet the stringent performance characteristics of a Class 1 air filter for flammability as outlined in Standard 900.

Physical Data

Frame: 24 gage corrosion-resistant steel

Media: 50% Efficient micro-fine fiberglass

Pleat Design: V-wedge Pleat

Face Screen: Expanded metal corrosion-resistant steel

	cfm @300 fpm	cfm @ 500 fpm	St. Cap. Resistance @ 300 fpm	Std. Cap. Resistance @ 500 fpm	High Cap. Resistance @ 300 fpm	High Cap. Resistance @ 500 fpm
12x24x2	600	1000	.36	.64	.30	.50
16x20x2	667	1111	.36	.64	.30	.50
16x25x2	833	1389	.36	.64	.30	.50
20x20x2	833	1329	.36	.64	.30	.50
20x24x2	1000	1667	.36	.64	.30	.50
20x25x2	1041	1736	.36	.64	.30	.50
24x24x2	1200	2000	.36	.64	.30	.50

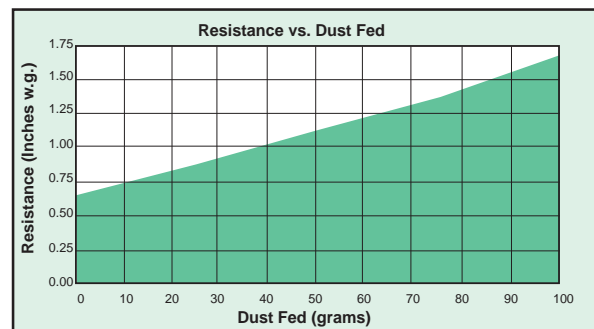
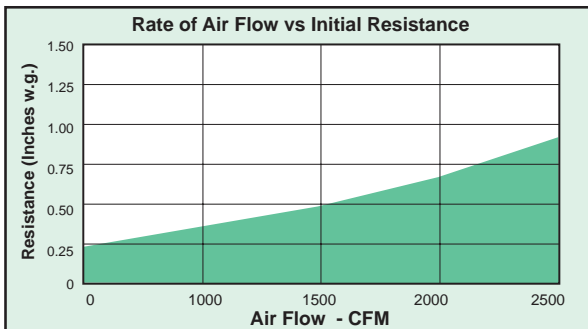
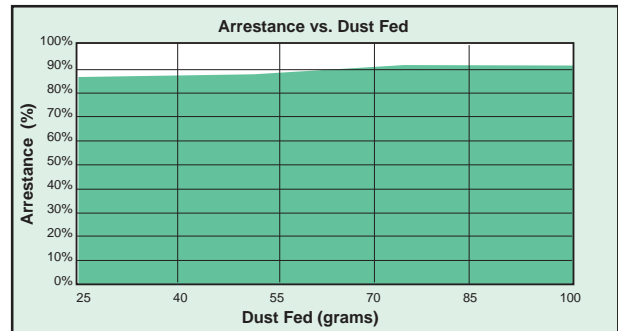
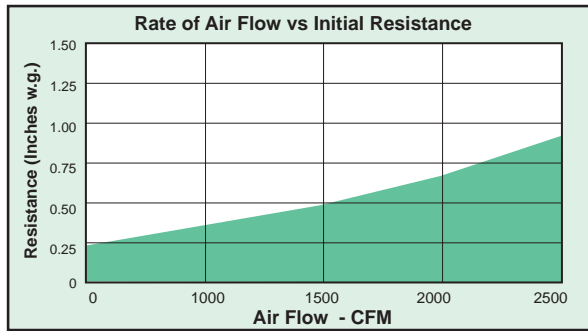
Pleats per foot: 15

Pleated
Air Filters

Important Features

- Resists temperatures up to 400° F
- Nominal 50% ASHRAE efficiency
- Rugged metal construction
- UL 900 Class 1 Fire Rated





Performance values stated may be averages typical of the products listed. Contact factory for actual performance test reports on specific products.

Guide Specifications

1.0 General

- 1.1 High Temperature pleated filters shall be Pre Pleat HT as manufactured by Flanders.
- 1.2 Filter sizes and capacities shall be scheduled on the drawings.
- 1.3 Filters shall be UL Class 1 listed and be able to operate up to 400 degrees Fahrenheit.

2.0 Filter Construction

- 2.1 Filter media shall be manufactured of a high lofted micro-fine media with a minimum efficiency of 50% per ASHRAE Standard 52.1
- 2.2 An expanded metal wire grid shall be bonded to the media to maintain pleat integrity.

- 2.3 The filter pack shall be enclosed within a corrosion-resistant frame and furnished with an expanded metal facescreen on the downstream, air leaving side.

3.0 Performance

- 3.1 Initial and final resistance shall not exceed the final values.
- 3.2 Media efficiency and content must meet or exceed the ratings of the specified filter.
- 3.3 The manufacturer shall guarantee performance as stated in the literature within tolerances as outlined in Section 7.4 of ARI Standard 850.