

General

This pleated air filter is designed for applications where a UL Class 1 fire rated filter is required and metal frame filters are unsuitable because of disposal problems. The Pre Pleat Class 1 pleated air filter has 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. Class 1 air filter units are described as "Those that, when clean, do not contribute fuel when attacked by flame and emit only negligible amounts of smoke."

Construction

The filter consists of a nominal 50% dust spot efficiency micro-fine fiberglass filtration media that has been bonded to a corrosion-resistant expanded metal backing, and then pleated into either standard or high capacity packs. Each pack is encased and sealed within a die-cut frame which is manufactured of special mineral-filled board to resist flammability.

Pre Pleat Class 1 pleated air filters are offered in two inch depth in all of the most popular face sizes.

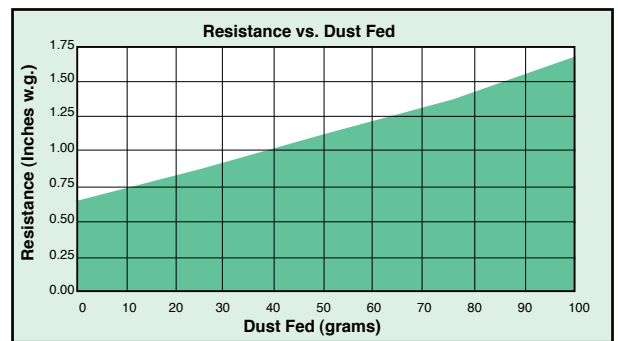
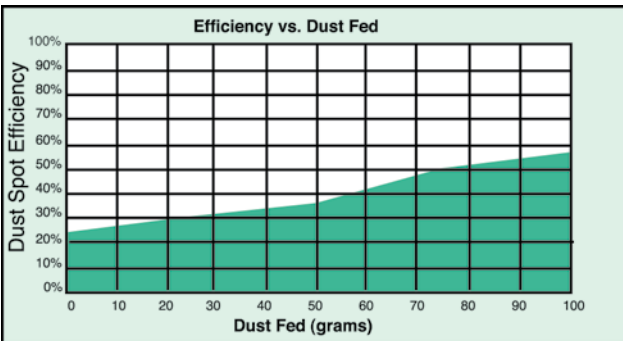
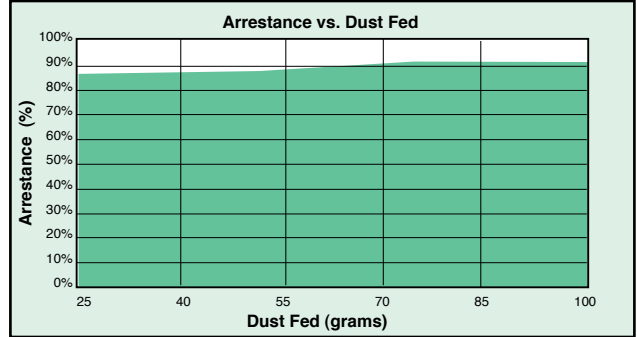
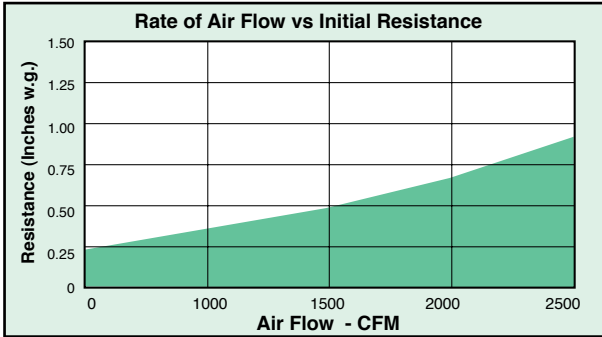
	cfm @300 fpm	cfm @ 500 fpm	St. Cap. Resistance @ 300 fpm	Std. Cap. Resistance @ 500 fpm	High Cap. Resistance @ 300 fpm	High Cap. Resistance @ 500 fpm
12x24x2	600	1000	.36	.64	.30	.50
16x20x2	667	1111	.36	.64	.30	.50
16x25x2	833	1389	.36	.64	.30	.50
20x20x2	833	1329	.36	.64	.30	.50
20x24x2	1000	1667	.36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

Pleated
Air Filters

Important Features

- UL 900 Class 1 for flammability
- Easily disposable
- Offered in all standard face sizes, 2" depth
- High lofted glass pleated media
- Nominal 50% ASHRAE efficiency
- MERV 8





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 Medium efficiency UL Class 1 fire rated pleated filters shall be Pre Pleat Class 1 as manufactured by Flanders.
- 1.2 Filter sizes and capacities shall be scheduled on the drawings.

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 A corrosion-resistant expanded metal wire grid shall be bonded to the media to maintain pleat integrity.

- 2.3 The die-cut frame shall be flame-resistant, mineral-filled board to meet a UL Class 1 fire rating.

3.0 Performance

- 3.1 Initial and final resistance shall not exceed the final values.
- 3.2 Media must meet or exceed the ratings that 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.