

General

The Flanders Pinch Frame disposable air filter provides the user with a product of high quality and strength.

Originally designed for light commercial and industrial applications, the Flanders Pinch Frame filter is an excellent choice for use in residential furnace systems.

The filter is produced on state-of-the-art production line machinery. The result is a filter of consistently high quality at a competitive price.

Construction

This disposable heating and air conditioning filter has a one-piece chipboard frame. This feature eliminates the problems associated with a four-piece frame, such as broken corners and exposed metal edges.

The Pinch Frame filter utilizes a heat seal to bond the frame to the filter media and metal support grid. This process permits the use of a single metal grid on the air exit side only, thus maximizing filter face area and extending service life.

The media is made of 100% nonwoven polyester synthetic fibers chemically bonded with a fire retardant resin. Because of the synthetic nature of the fiber, the media is extremely resistant to moisture and other environmental extremes.

Physical Data

Frame: One-piece chipboard

Media: Dry resinated polyester

Support Grid: Perforated metal on air-exit side

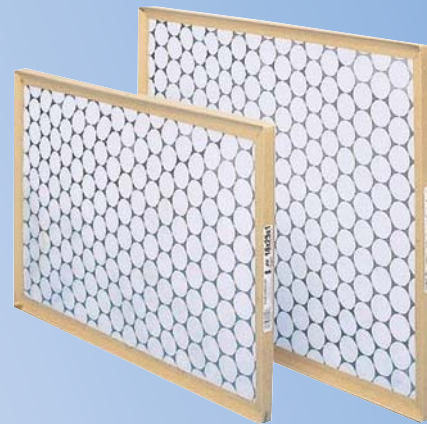
Sealant: Hot-melt resin

Nominal Thickness: 1"

Flammability: UL 900 Class 2

Important Features

- One-piece chipboard frame prevents broken corners and exposed metal.
- Heat-sealed frame provides unusual strength and serviceability.
- A metal grid on the air-exit side assures more open face area and longer service life.
- Resinated polyester media provides resistance to moisture.
- Filters are UL 900 Class 2 listed.



Note: Manufactured on the West Coast Only.

Standard Sizes

Performance Data - Pinch Frame

Nominal Size (inch)	Actual Size H x W x D (inches)	cfm @ 300 fpm	Standard Carton Qty.	Weight per Carton (lbs.)
10x20x1	9-7/8 x 19-7/8 x 7/8	420	12	4.0
10x24x1	9-7/8 x 23-7/8 x 7/8	500	12	5.0
10x30x1	9-7/8 x 29-7/8 x 7/8	620	12	5.5
12x20x1	11 -7/8 x 19-7/8 x 7/8	500	12	4.5
12x24x1	11 -7/8 x 23-7/8 x 7/8	600	12	5.0
12x25x1	11 -7/8 x 24-7/8 x 7/8	620	12	5.0
12x27x1	11-7/8 x 26-7/8 x 7/8	670	12	6.0
12x30x1	11 -7/8 x 29-7/8 x 7/8	750	12	6.0
14x20x1	13-7/8 x 19-7/8 x 7/8	580	12	4.5
14x24x1	13-7/8 x 23-7/8 x 7/8	700	12	5.5
14x25x1	13-7/8 x 24-5/8 x 7/8	730	12	5.5
14x30x1	13-7/8 x 29-7/8 x 7/8	870	12	6.5
15x20x1	14-7/8 x 19-5/8 x 7/8	620	12	5.0
15x30x1	14-7/8 x 29-7/8 x 7/8	940	12	6.0
16x20x1	15-5/8 x 19 5/8 x 7/8	670	12	5.5
16x25x1	15-5/8 x 24-5/8 x 7/8	830	12	6.5
16x30x1	15-7/8 x 29-7/8 x 7/8	1000	12	7.5
18x25x1	17-7/8 x 24-7/8 x 7/8	940	12	6.0
20x20x1	19-5/8 x 19-5/8 x 7/8	830	12	6.0
20x24x1	19-7/8 x 23-5/8 x 7/8	980	12	6.5
20x25x1	19-5/8 x 24-5/8 x 7/8	1040	12	7.0
20x30x1	19-7/8 x 29-7/8 x 7/8	1250	12	8.5
24x24x1	23-1/2 x 23-1/2 x 7/8	1200	12	8.0
25x25x1	24-7/8 x 24-7/8 x 7/8	1300	12	8.5

Notes:

1. Manufacturing tolerances are +0", -1/8"
2. All sizes are packed 12 per carton

Guide Specifications

1.0 General

- 1.1 Disposable filters shall be Pinch Frame filters as manufactured by Flanders.
- 1.2 Filters shall be UL 900 Class 2 listed.

2.0 Filter Construction

- 2.1 Filters shall be constructed of resinated polyester media and a metal air-exit grid heat sealed together in a one-piece chipboard frame.

3.0 Performance

- 3.1 The average arrestance of 70% shall be as determined by the ASHRAE Standard 52.1 test method.
- 3.2 The manufacturer shall guarantee performance as stated in its literature within tolerances as outlined in Section 7.4 of ARI Standard 850.