AmericanAirFilter®

PerfectPleat® PF

Pleated Panel Filters with DuraFlex®
Self-Supporting Media

- *New, patent-pending, sonically-welded, pinch frame design*
- *Uniform pleat height, width, and spacing*
- *Classified MERV 6 by ASHRAE 52.2*
- *Available in 1" thickness*
- *Patented media, filter design and manufacturing process. Patents covered under one or more of the following: US 6254653 B1; US 7112255 B2; US 6398839 B2; US 6159318; US 6165242*

Patent-Pending Frame Design and Manufacturing Process

PerfectPleat® PF has a sonically-welded, pinch frame design that offers excellent support and durability. The perimeter frame is constructed with poly-coated board stock securely bonded to the media.

The PerfectPleat PF also features a support strap, bonded to the pleat tips, on the air-leaving side of the filter to ensure uniform pleat spacing while adding rigidity and support to the media pack.

The manufacturing process that created the PerfectPleat PF is so unique that it has a patent pending. Materials and process are precisely matched to create a filter that has superb fit and finish to match its durability. In addition, it has a Minimum Efficiency Reporting Value (MERV) of 6, meeting the requirement of ASHRAE Standard 62-2001 to provide filters having a MERV of not less than 6, upstream of all cooling coils or other devices with wetted surfaces, through which air is supplied to an occupiable space.

DuraFlex® – Patented Media Design

DuraFlex is American Air Filter's patented, self-supporting media. When pleated, DuraFlex will hold its shape without the need for wire support characteristic of conventional, pleated filters. That means safer handling, with no risk of nicks or cuts during installation. The absence of wire also means that the filter will not rust and is totally incinerable, which simplifies disposal.

Applications

The PerfectPleat PF is ideally suited to commercial and industrial applications where a MERV 6 is desired and value is required. Its low initial pressure drop of 0.18 in. w.g. at 300 FPM makes it ideal for low volume air handlers.
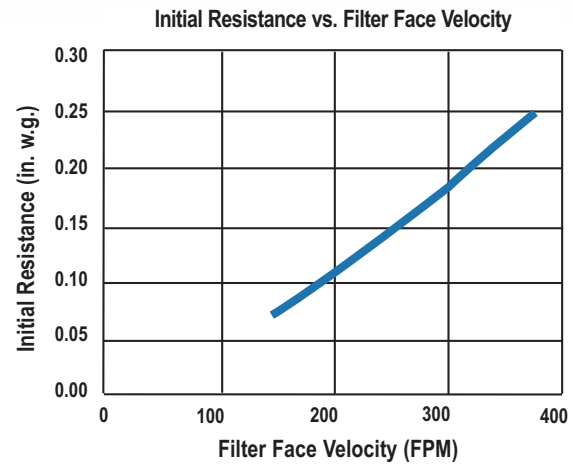
Product Information

Nominal Size (Inches) (W x H x D)	Actual Size (Inches) (W x H x D)	Pleats Per Filter
10 x 20 x 1	9⅞ x 19⅝ x ¹³⁄₁₆	9
12 x 20 x 1	11⅞ x 19⅝ x ¹³⁄₁₆	11
12 x 24 x 1	11⅞ x 23⁷⁄₁₆ x ¹³⁄₁₆	11
14 x 20 x 1	13⅞ x 19⅝ x ¹³⁄₁₆	13
14 x 25 x 1	13⅞ x 24⅝ x ¹³⁄₁₆	13
15 x 20 x 1	14⅞ x 19⅝ x ¹³⁄₁₆	14
16 x 20 x 1	15⅞ x 19⅝ x ¹³⁄₁₆	15
16 x 25 x 1	15⅞ x 24⅝ x ¹³⁄₁₆	15
18 x 20 x 1	17⅞ x 19⅝ x ¹³⁄₁₆	17
20 x 20 x 1	19⅝ x 19⅝ x ¹³⁄₁₆	19
20 x 24 x 1	19⅝ x 23⁷⁄₁₆ x ¹³⁄₁₆	19
20 x 25 x 1	19⅝ x 24⅝ x ¹³⁄₁₆	19
20 x 30 x 1	19⅝ x 29⅝ x ¹³⁄₁₆	29
24 x 24 x 1	23⁷⁄₁₆ x 23⁷⁄₁₆ x ¹³⁄₁₆	23

Operating Data

Initial Resistance vs. Filter Face Velocity

PerfectPleat PF filters are classified UL Class 2.
Tested in accordance with ASHRAE Standard 52.2.

Performance Data

1" Filter	Pleats Per Lineal Foot	Rated Initial Resistance (in. w.g.) 300 FPM	Recommended Final Resistance (in. w.g.)	ASHRAE 52.2 MERV	Continuous Operating Temperature Limits °F	°C
PerfectPleat PF	12.0	.18	1.0	6	150°	80°