



PerfectPleat® PF

*Pleated Panel Filters
with DuraFlex®
Self-Supporting
Media*



- *New, patent-pending, sonically-welded, pinch frame design*
- *Patented DuraFlex® self-supporting media*
- *Patent-pending manufacturing process*
- *Uniform pleat height, width, and spacing*
- *Classified **MERV 6** by **ASHRAE 52.2 (25-30% by ASHRAE 52.1)***
- *Available in 1" thickness*

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 is rated MERV 6, meeting the requirement of ASHRAE Standard 62-2001 to provide filters having a minimum efficiency reporting value (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 .18 at 300 FPM makes it ideal for low volume air handlers.



PerfectPleat® PF

PRODUCT INFORMATION

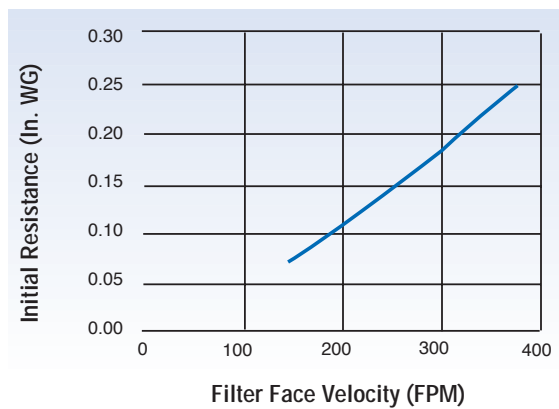
Nominal Size (Inches) (W x H x D)	Actual Size (Inches) (W x H x D)	Pleats Per Filter
10 x 20 x 1	9-7/8 x 19-5/8 x 13/16	9
12 x 20 x 1	11-7/8 x 19-5/8 x 13/16	11
12 x 24 x 1	11-7/16 x 23-7/16 x 13/16	11
14 x 20 x 1	13-7/8 x 19-5/8 x 13/16	13
14 x 25 x 1	13-7/8 x 24-5/8 x 13/16	13
15 x 20 x 1	14-7/8 x 19-5/8 x 13/16	14
16 x 20 x 1	15-7/8 x 19-5/8 x 13/16	15
16 x 25 x 1	15-7/8 x 24-5/8 x 13/16	15
20 x 20 x 1	19-5/8 x 19-5/8 x 13/16	19
20 x 25 x 1	19-5/8 x 24-5/8 x 13/16	19
20 x 30 x 1	19-5/8 x 29-5/8 x 13/16	29
24 x 24 x 1	23-7/16 x 23-7/16 x 13/16	23

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	ASHRAE 52.1 Rated Average Efficiency (%)	Continuous Operating Temperature Limits °F °C
PerfectPleat PF	12.0	.18	1.0	6	25-30	150° 80°

OPERATING DATA

INITIAL RESISTANCE VS. FILTER FACE VELOCITY



PerfectPleat PF filters are classified UL Class 2.
Tested in accordance with ASHRAE standard 52.2-1999.



10300 ORMSBY PARK PL STE 600
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P O BOX 35690
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