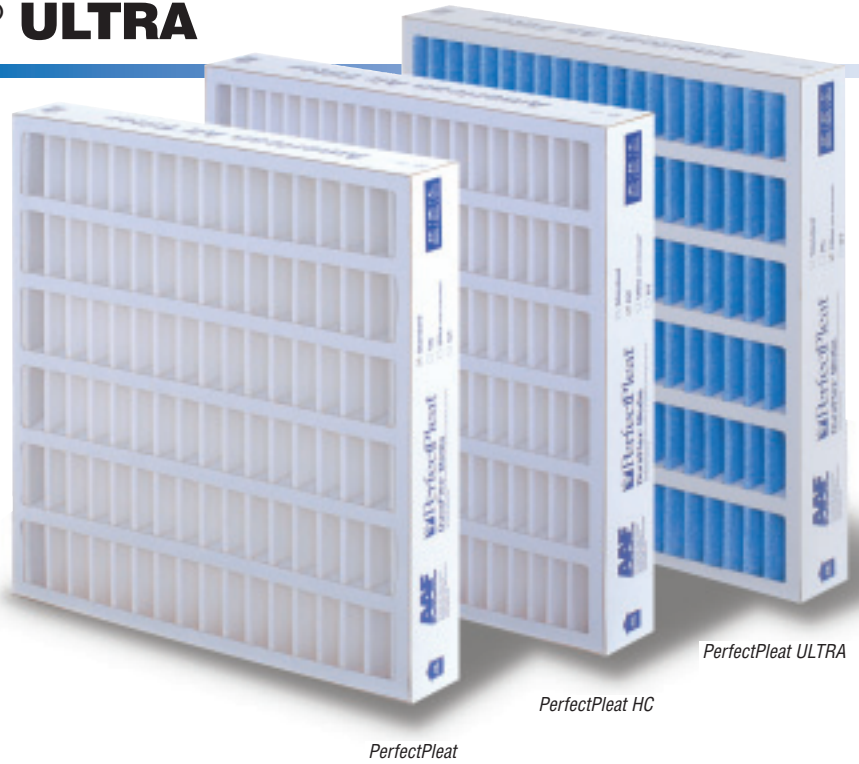


PerfectPleat® PerfectPleat HC® PerfectPleat® ULTRA

4" Extended Surface Pleated Filters

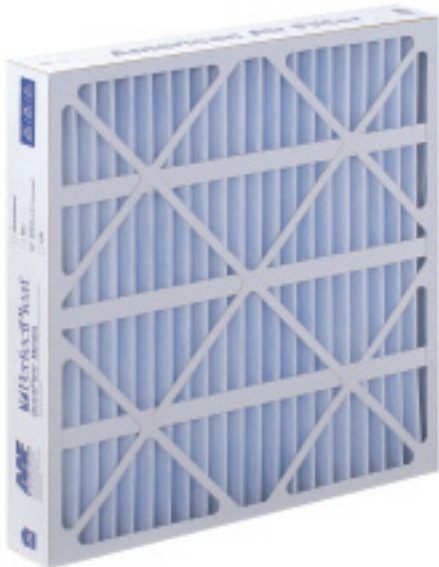


PerfectPleat ULTRA

PerfectPleat HC

PerfectPleat

- **Form and fit unlike any other 4" pleat**
- **Patented media with controlled fiber size and blend**
- **MERV 7 - available in Standard and HC (High Capacity) models**
- **MERV 8 - ULTRA made with Intersept® antimicrobial**
- **Covered under one or more of the following patents: US 6398839 B2; US 6254653 B1; US6159318; US 6165242; US6387140 B1.**



All PerfectPleat models have a die-cut frame on the air-entering side.

AAF International proudly announces the 4" PerfectPleat - the best 4" pleated filter in the industry - to complete its PerfectPleat line. The 4" PerfectPleat offers the same consistent pleat spacing and rugged durability characteristic of the highly successful 2" models, adding even more strength through advancements to create one tough filter.

DESIGN AND CONSTRUCTION

Creating the 4" PerfectPleat presented unique challenges. Once again, AAF engineers drew upon years of experience in filter manufacturing to produce a 4" filter worthy of the name PerfectPleat. Each model of the 4" PerfectPleat places a DuraFlex media pack inside of a two piece frame. Straps are added to the air-entering side of the filter to help maintain pleat spacing, while specially designed pleat spacers are inserted in multiple rows on the air-leaving side. The pleat spacers also assist in keeping the pleats open during use, maximizing filter life. The two-piece frame is then assembled around the rigid media pack and is bonded at all contact points with adhesives that ensure resistance to moisture. The result is fit and finish unlike anything available in a 4" pleat coupled with excellent strength and durability.

All frame components, straps, and pleat spacers are made with .028 beverage containerboard with the highest wet-strength available.

DURAFLEX® - AAF'S PATENTED MEDIA

Uniform size virgin fibers are assembled in closely controlled blends to create a media that is both self-supporting and consistent in performance. The self-supporting characteristics allow a pleating pattern that promotes excellent dust holding and low initial resistance. DuraFlex media requires no wire support to maintain its shape. No wire means that the all 4" PerfectPleats are totally incinerable.

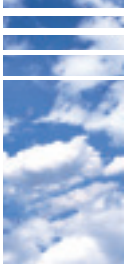
EFFICIENCY AND PERFORMANCE

PerfectPleat 4" offers the efficiency and low initial resistance that you expect and require. Both the Standard and HC (High Capacity) models are rated MERV 7. Standard 4" PerfectPleat has 9 pleats per foot (PPF); HC has 11 PPF. PerfectPleat ULTRA is rated at MERV 8 and has 11 PPF. (See chart on page 2 for additional performance data.)

APPLICATIONS

The 4" PerfectPleats are ideal for any application where pleated filters are in use. These filters are an excellent choice when upgrading to higher efficiencies where 2" pleated filters are used, particularly in front loading frames. The 4" PerfectPleats can be used as final filters in single bank housings.

Every PerfectPleat will provide excellent performance and durability when properly installed and maintained.



PerfectPleat®, PerfectPleat® HC, PerfectPleat® ULTRA

Product Information Standard Sizes

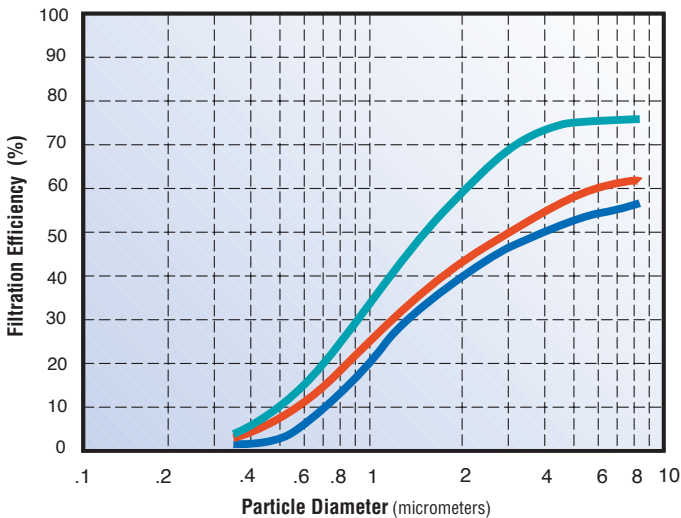
Nominal Sizes* (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow Capacity (SCFM)		Pleats Per Filter			Media Area (Sq. Ft.)		
		500 FPM	625 FPM	PerfectPleat	PerfectPleat HC	PerfectPleat ULTRA	PerfectPleat	PerfectPleat HC	PerfectPleat ULTRA
12 x 24 x 4	11-3/8 x 23-3/8 x 3-3/4	1000	1250	8	11	11	10.4	14.2	14.2
16 x 20 x 4	15-3/8 x 19-3/8 x 3-3/4	1100	1400	11	13	13	11.8	13.9	13.9
16 x 25 x 4	15-3/8 x 24-3/8 x 3-3/4	1400	1750	11	13	13	14.8	17.5	17.5
18 x 24 x 4	17-3/8 x 23-3/8 x 3-3/4	1500	1875	13	15	15	16.8	19.4	19.4
20 x 20 x 4	19-3/8 x 19-3/8 x 3-3/4	1400	1750	14	17	17	15.0	18.2	18.2
20 x 25 x 4	19-3/8 x 24-3/8 x 3-3/4	1750	2150	14	17	17	18.9	22.9	22.9
24 x 20 x 4	23-3/8 x 19-3/8 x 3-3/4	1650	2100	14	17	17	18.1	22.0	22.0
24 x 24 x 4	23-3/8 x 23-3/8 x 3-3/4	2000	2500	17	21	21	22.0	27.2	27.2
25 x 29 x 4	24-3/8 x 28-3/8 x 3-3/4	2500	3150	-	26	26	-	35.0	35.0

PerfectPleat filters are classified U.L. Class 2. Testing was performed according to U.L. Standard 900 and CAN 4-S111.

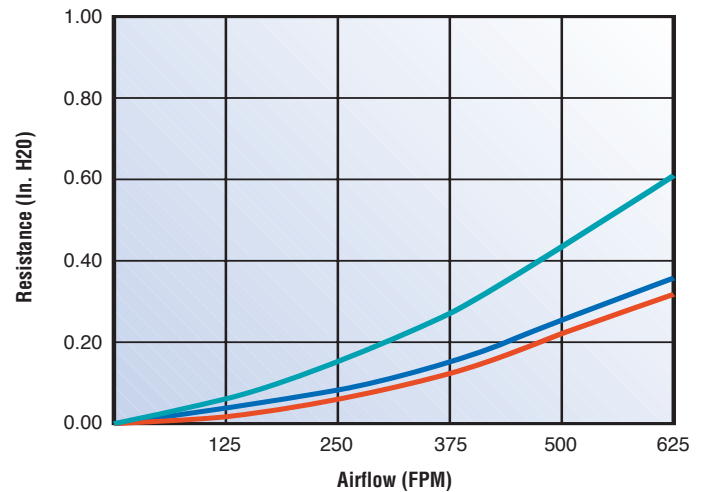
Performance Data

Filter	Pleats Per Lineal Foot	Rated Initial Resistance (In. W.G.)		Recommended Final Resistance (In. W.G.)	ASHRAE 52.2 MERV	Continuous Operating Temperature Limits	
		500 FPM	625 FPM			°F	°C
PerfectPleat 4"	9	.27	.37	1.0	7	200°	93°
PerfectPleat HC 4"	11	.23	.34	1.0	7	200°	93°
PerfectPleat ULTRA 4"	11	.43	.61	1.0	8	200°	93°

Composite Minimum Efficiency
Efficiency Vs. Particle Size



Resistance to Airflow



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888.AAF.2003

