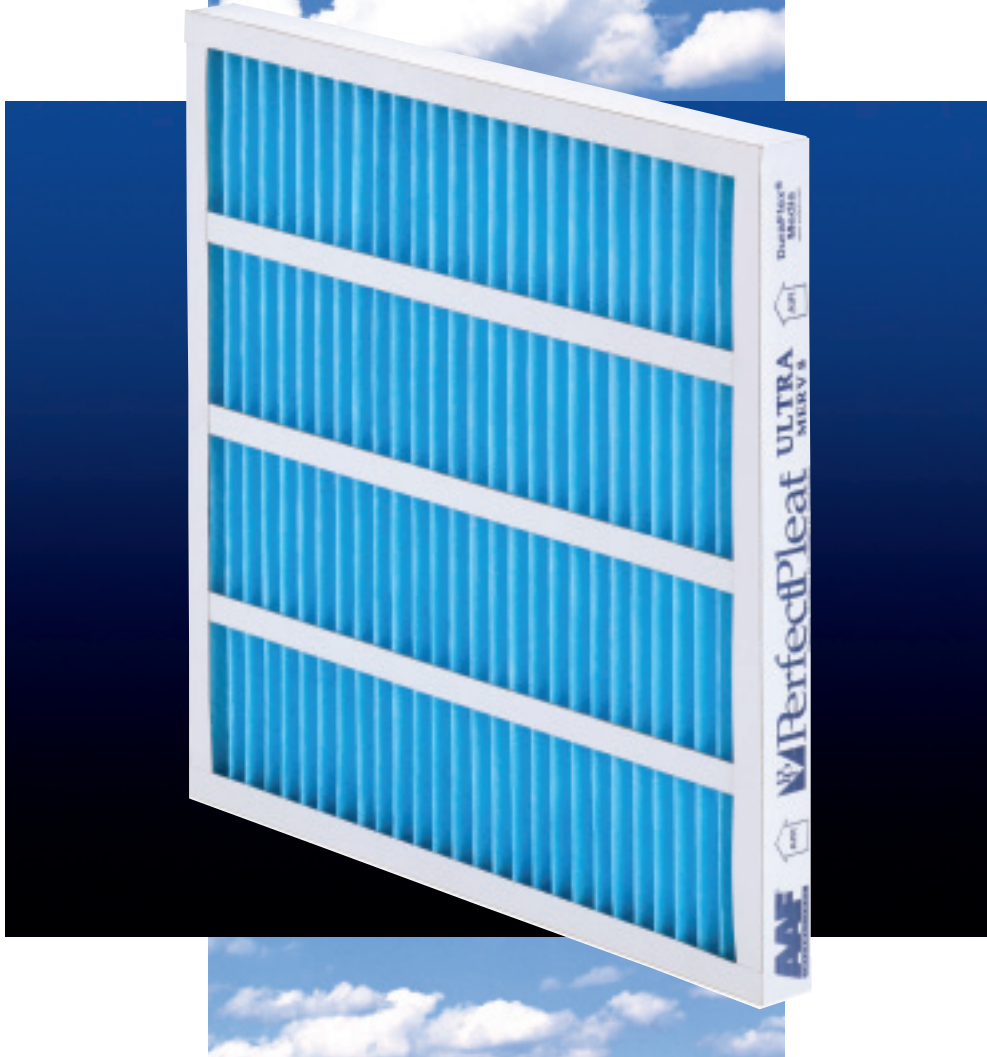




PerfectPleat® ULTRA

1" and 2" Extended Surface,
Pleated Filter

MERV 8 with Intersept®
Antimicrobial



B E T T E R A I R I S O U R B U S I N E S S ®



PerfectPleat® ULTRA

Extended Surface, Pleated Filter with Process-Controlled Quality
MERV 8

- **Patented media, filter design, and manufacturing process. Covered under one or more of the following patents: US 6398839 B2; US 6254653 B1; US 6159318; US 6165242; US 6387140 B1 (1" model only)**
- **Premium performance and construction**
- **Self-supporting media; no wire supporting grid**
- **Tested in accordance with ASHRAE Standard 52.2**
- **Incorporates Intersept® antimicrobial**
- **Available in 1" and 2" models**



PerfectPleat Now with Intersept® Antimicrobial

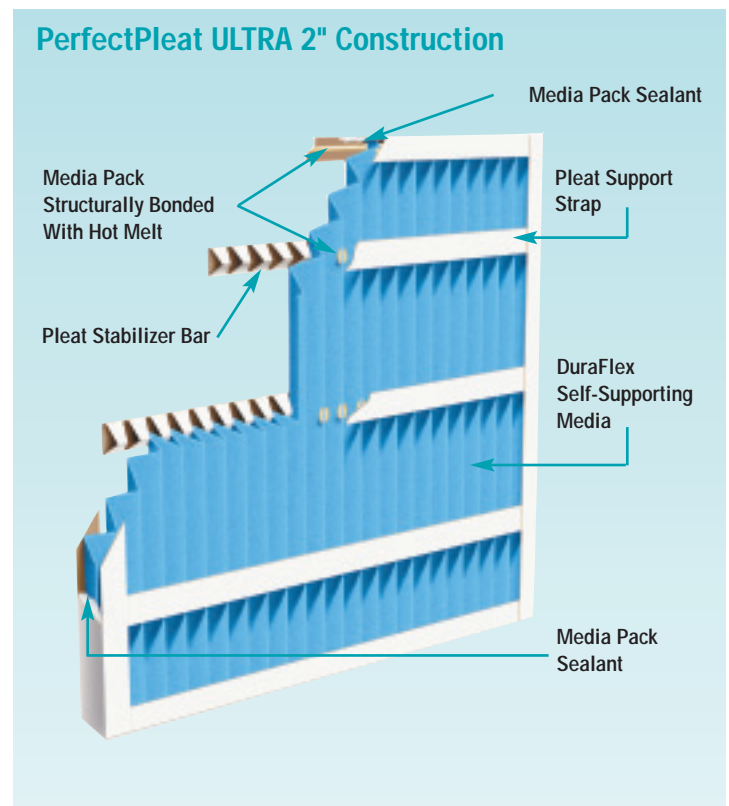
The American Air Filter PerfectPleat leads the industry. Uniform pleat spacing and patented DuraFlex® media make it strong. Uniform size virgin fibers assembled in closely controlled blends give it remarkably consistent performance. Now AAF has taken the next step by creating a MERV 8 DuraFlex® media and incorporating Intersept® antimicrobial. The result is the PerfectPleat ULTRA.

MERV 8 performance means better than 70% initial efficiency on 3.0-10.0 micron particles (PerfectPleat ULTRA becomes much more efficient after the first dust loading). DuraFlex media employs principles of mechanical filtration so that efficiency increases as the filter does its job. DuraFlex media is not enhanced by an electret charge that dissipates over time reducing media efficiency, in some instances significantly.

Intersept® is applied to preserve the integrity of the media throughout the filter's useful life by inhibiting microbial growth.

DuraFlex Media - Patented Media Design

DuraFlex is a self-supporting media that is remarkably consistent in performance. The self-supporting characteristics allow a pleating pattern that promotes excellent dust holding and low resistance to airflow. DuraFlex media meets or exceeds all current expectations for performance and service life for conventional pleated filters.



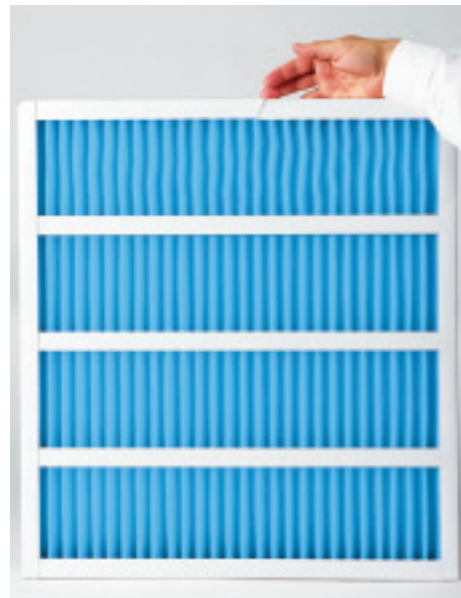
DuraFlex® – Media With A Memory



PerfectPleat ULTRA with DuraFlex media produces a filter with excellent form and fit.



As a result of its unique design, PerfectPleat ULTRA can withstand significant damage.



DuraFlex media has "memory" which allows PerfectPleat ULTRA to remain functional, even when the frame has been compromised.

The Benefits of Self-Supporting DuraFlex Media Applications

When pleated, DuraFlex will hold its shape without the wire pleat support grid characteristic of competitors' pleated filters. That means no potential for the formation of rust on the filter. It also means safer handling - no nicks or cuts for the installer. With the superior resiliency of DuraFlex media and no need for wire support, the PerfectPleat can sustain significant abuse and maintain its shape and consistent pleat spacing. The absence of wire also makes the filter totally incinerable, which simplifies disposal.

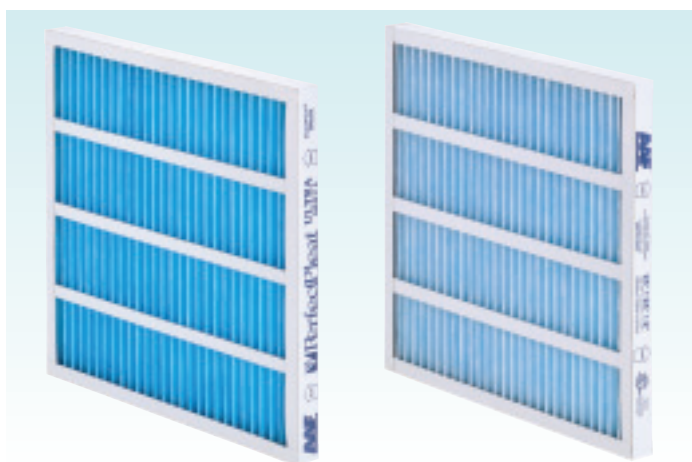
The PerfectPleat ULTRA is ideal for applications where pleated filters are currently in use and higher efficiencies are desired or required. It is also suited to high moisture conditions where bacterial growth may be likely to occur on air filters. The Intercept treated media used in the PerfectPleat ULTRA minimizes the chance of bacterial growth.

Every PerfectPleat ULTRA offers superior durability and performance when properly installed and maintained.

Heavy Duty Frame

The perimeter frame of the PerfectPleat ULTRA is constructed from the highest wet-strength, 28 pt. beverage carrier board available and is securely bonded to the media pack. The 28 pt. thickness improves filter strength and helps resist damage.

Patented tri-bar pleat stabilizers are bonded to the media to ensure uniform pleat spacing and provide additional strength. Three sets of pleat stabilizers are bonded to the air-leaving side of the filter. On the air entering side, three support straps enhance the PerfectPleat ULTRA's strength and durability. The pleat straps and the pleat stabilizers ensure stability against turbulent airflow and provide excellent lateral stability for installation in side-access systems.



PerfectPleat Ultra 2" air leaving side.

PerfectPleat Ultra 2" air entering side.

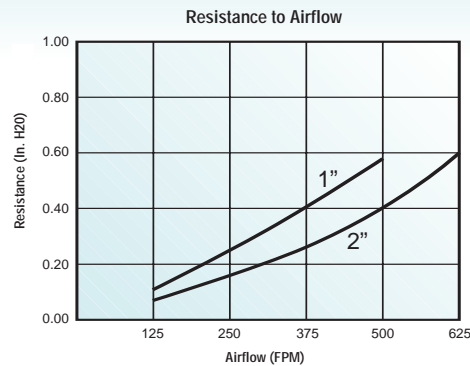
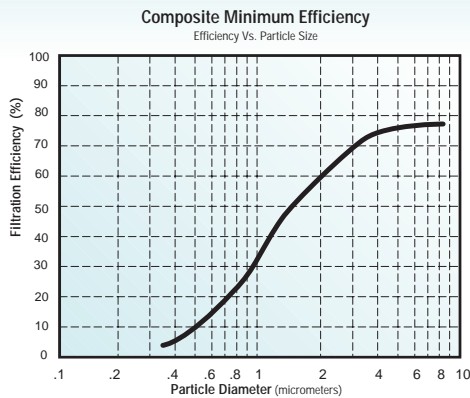
Product Information Standard Sizes

Nominal Sizes* (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow Capacity (SCFM)			Pleats Per Filter	
		300 FPM	500 FPM	625 FPM	PerfectPleat ULTRA 1"	PerfectPleat ULTRA 2"
10 x 10 x 1	9-1/2 x 9-1/2 x 3/4	200	350		11	
10 x 20 x 1	9-1/2 x 19-1/2 x 3/4	400	700		11	
12 x 12 x 1	11-1/2 x 11-1/2 x 3/4	300	500		14	
12 x 20 x 1	11-1/2 x 19-1/2 x 3/4	500	850		14	
12 x 24 x 1	11-3/8 x 23-3/8 x 3/4	600	1000		14	
14 x 20 x 1	13-1/2 x 19-1/2 x 3/4	600	1000		16	
14 x 25 x 1	13-1/2 x 24-1/2 x 3/4	750	1200		16	
15 x 20 x 1	14-1/2 x 19-1/2 x 3/4	650	1050		17	
16 x 16 x 1	15-1/2 x 15-1/2 x 3/4	550	900		19	
16 x 20 x 1	15-1/2 x 19-1/2 x 3/4	650	1100		19	
16 x 25 x 1	15-1/2 x 24-1/2 x 3/4	850	1400		19	
18 x 20 x 1	17-1/2 x 19-1/2 x 3/4	750	1250		21	
18 x 24 x 1	17-3/8 x 23-3/8 x 3/4	900	1500		21	
18 x 25 x 1	17-1/2 x 24-1/2 x 3/4	950	1550		21	
20 x 20 x 1	19-1/2 x 19-1/2 x 3/4	850	1400		24	
20 x 25 x 1	19-1/2 x 24-1/2 x 3/4	1050	1750		24	
24 x 24 x 1	23-3/8 x 23-3/8 x 3/4	1200	2000		29	
25 x 25 x 1	24-1/2 x 24-1/2 x 3/4	1300	2200		30	
10 x 20 x 2	9-1/2 x 19-1/2 x 1-3/4	400	700	850		11
12 x 20 x 2	11-1/2 x 19-1/2 x 1-3/4	500	850	1050		14
12 x 24 x 2	11-3/8 x 23-3/8 x 1-3/4	600	1000	1250		14
14 x 25 x 2	13-1/2 x 24-1/2 x 1-3/4	750	1200	1500		16
15 x 20 x 2	14-1/2 x 19-1/2 x 1-3/4	650	1050	1300		17
15 x 25 x 2	14-1/2 x 24-1/2 x 1-3/4	800	1300	1650		17
16 x 16 x 2	15-1/2 x 15-1/2 x 1-3/4	550	900	1100		19
16 x 20 x 2	15-1/2 x 19-1/2 x 1-3/4	650	1100	1400		19
16 x 24 x 2	15-3/8 x 23-3/8 x 1-3/4	800	1350	1650		19
16 x 25 x 2	15-1/2 x 24-1/2 x 1-3/4	850	1400	1750		19
18 x 25 x 2	17-1/2 x 24-1/2 x 1-3/4	950	1550	1950		21
18 x 24 x 2	17-3/8 x 23-3/8 x 1-3/4	900	1500	1900		21
20 x 20 x 2	19-1/2 x 19-1/2 x 1-3/4	850	1400	1750		24
20 x 24 x 2	19-3/8 x 23-3/8 x 1-3/4	1000	1650	2100		24
20 x 25 x 2	19-1/2 x 24-1/2 x 1-3/4	1050	1750	2150		24
24 x 24 x 2	23-3/8 x 23-3/8 x 1-3/4	1200	2000	2500		29
25 x 25 x 2	24-1/2 x 24-1/2 x 1-3/4	1300	2150	2700		30

PerfectPleat filters are classified U.L. Class 2. Testing was performed according to U.L. Standard 900 and CAN 4-S111.
 * 1-inch filters are made with straps on the air-entering side and a die cut on the air-leaving side.

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	
		300 FPM	500 FPM	625 FPM			°F	°C
PerfectPleat ULTRA 2"	15.0	.20	.40	.52	1.0	8	170°	76°
PerfectPleat ULTRA 1"	15.0	.29	.59	----	1.0	8	170°	76°



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