



Better Air is Our Business®

# AmericanAirFilter® PerfectPleat® SC M8 MERV 8

*Extended Surface, Pleated Filter  
with Process-Controlled Quality*

- Mechanical efficiency — does not rely on electret charge technology
- Form and fit unlike any other pleat available today
- Self-supporting DuraFlex® media made from virgin fiber; no wire support needed
- Consistent media with controlled fiber size and blend
- Available in 2" and 4" models
- Patented media, filter design, and manufacturing process. Patents covered under one or more of the following  
US 6398839 B2; US 6254653 B1; US 6159318; US 6165242;  
US 6387140 B1; US 7398887 B2

## The Air Filtration Leader

AAF International, one of the world's largest manufacturers of air filtration products, is known for technical innovation and excellence. Designed, developed, and patented by AAF, the PerfectPleat filter is a product with form and fit unlike any other pleated filter in the marketplace today. In addition, the PerfectPleat filter has the filtering efficiency you need and expect.

## Superior Design and Construction

Drawing on years of experience in manufacturing quality air filters, AAF has created a state-of-the-art process for producing pleated filters. The extremely high quality of these filters is a result of three unique innovations: a new, automated manufacturing process; a unique, self-supporting media; and filter construction that provides incredible strength without wire support.

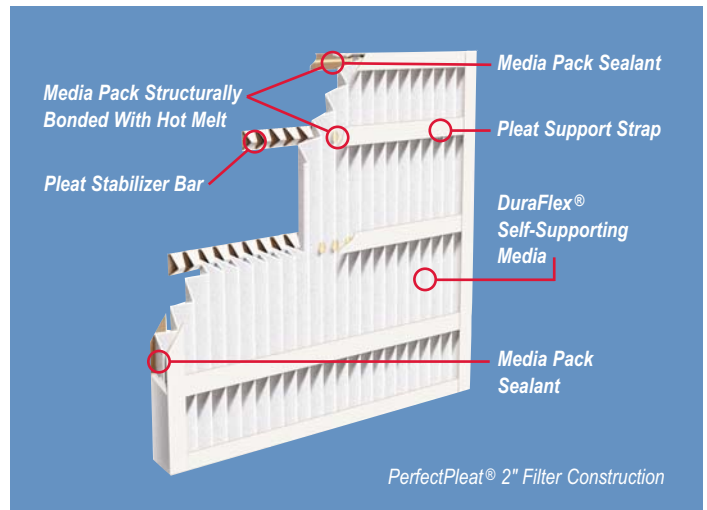
Since their introduction, pleated filters have become a larger and more important segment of the filtration marketplace. However, conventional design and process are not conducive to the manufacture of consistently pleated media packs or finished filters. Inconsistency in pleat arrangement, variations in media, improper bonding of media to frame, along with antiquated manufacturing techniques, have a negative impact on efficiency, resistance, durability, and strength. The automated and controlled process AAF has developed for the PerfectPleat filter eliminates these inconsistencies and irregularities. Our automated manufacturing process offers consistency unmatched by conventionally manufactured pleats.



## DuraFlex® Media — Patented Media Design

Uniform size virgin fibers are assembled in closely controlled blends to create a media that is both self-supporting and remarkably consistent in performance. When pleated, DuraFlex media will hold its shape without the wire support characteristic of conventional pleated filters. That means no potential for the formation of rust and safer handling — no nicks or cuts for the installer or handler.

With the superior resiliency of DuraFlex media and no need for wire support, the PerfectPleat filter can sustain significant abuse and maintain its shape and pleat spacing. The absence of the wire also makes the filter totally incinerable, which simplifies disposal. The PerfectPleat filter meets or exceeds all current expectations for service life.



## PerfectPleat® SC M8 - MERV 8

### 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 / Filter SC M8 2"	Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow Capacity (SCFM)		Pleats / Filter SC M8 4"
		300 FPM	500 FPM	625 FPM				500 FPM	625 FPM	
10 x 20 x 2	9 1/2 x 19 1/2 x 1 3/4	400	<b>700</b>	850	8	12 x 24 x 4	11 3/8 x 23 3/8 x 3 3/4	1000	1250	8
12 x 20 x 2	11 1/2 x 19 1/2 x 1 3/4	500	<b>850</b>	1050	10	16 x 20 x 4	15 3/8 x 19 3/8 x 3 3/4	1100	1400	11
12 x 24 x 2	11 3/8 x 23 3/8 x 1 3/4	600	<b>1000</b>	1250	10	16 x 25 x 4	15 3/8 x 24 3/8 x 3 3/4	1400	1750	11
14 x 25 x 2	13 1/2 x 24 1/2 x 1 3/4	750	<b>1200</b>	1500	11	18 x 24 x 4	17 3/8 x 23 3/8 x 3 3/4	1500	1875	12
15 x 20 x 2	14 1/2 x 19 1/2 x 1 3/4	650	<b>1050</b>	1300	12	20 x 20 x 4	19 3/8 x 19 3/8 x 3 3/4	1400	1750	14
15 x 25 x 2	14 1/2 x 24 1/2 x 1 3/4	800	<b>1300</b>	1650	12	20 x 25 x 4	19 3/8 x 24 3/8 x 3 3/4	1750	2150	14
16 x 16 x 2	15 1/2 x 15 1/2 x 1 3/4	550	<b>900</b>	1100	13	24 x 20 x 4	23 3/8 x 19 3/8 x 3 3/4	1650	2100	14
16 x 20 x 2	15 1/2 x 19 1/2 x 1 3/4	650	<b>1100</b>	1400	13	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	2000	2500	17
16 x 24 x 2	15 3/8 x 23 3/8 x 1 3/4	800	<b>1350</b>	1650	13	25 x 29 x 4	24 3/8 x 28 3/8 x 3 3/4	2500	3150	21
16 x 25 x 2	15 1/2 x 24 1/2 x 1 3/4	850	<b>1400</b>	1750	13					
18 x 24 x 2	17 3/8 x 23 3/8 x 1 3/4	900	<b>1500</b>	1900	15					
18 x 25 x 2	17 1/2 x 24 1/2 x 1 3/4	950	<b>1550</b>	1950	15					
20 x 20 x 2	19 1/2 x 19 1/2 x 1 3/4	850	<b>1400</b>	1750	17					
20 x 24 x 2	19 3/8 x 23 3/8 x 1 3/4	1000	<b>1650</b>	2100	17					
20 x 25 x 2	19 1/2 x 24 1/2 x 1 3/4	1050	<b>1750</b>	2150	17					
24 x 24 x 2	23 3/8 x 23 3/8 x 1 3/4	1200	<b>2000</b>	2500	20					
25 x 25 x 2	24 1/2 x 24 1/2 x 1 3/4	1300	<b>2150</b>	2700	21					

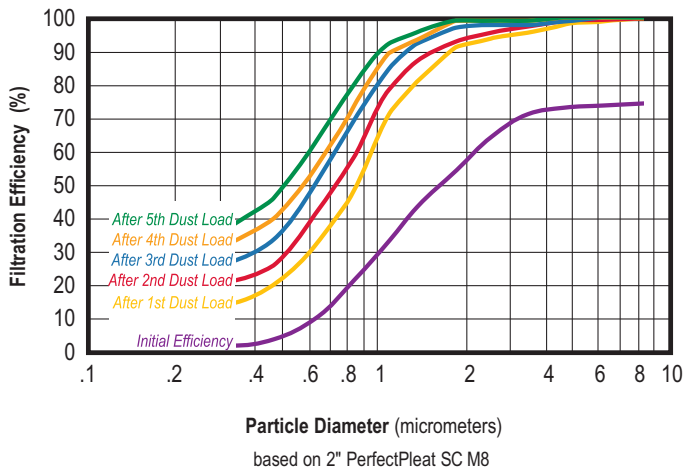
PerfectPleat SC M8 filters are classified UL Class 2. Testing was performed according to UL Standard 900 and CAN 4-S111.

### Performance Data

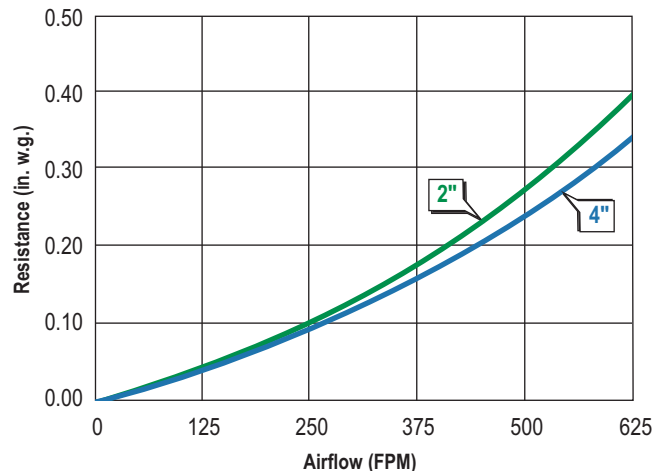
Filter	Pleats Per Lineal Foot	Rated Initial Resistance (in. w.g.)			Recommended Final Resistance (in. w.g.)	ASHRAE 52.2 MERV
		300 FPM	500 FPM	625 FPM		
PerfectPleat SC M8 2"	10.0	.13	.27	.39	1.0	8
PerfectPleat SC M8 4"	9.0	.10	.24	.34	1.0	8

### Composite Minimum Efficiency

Efficiency vs. Particle Size



### Resistance to Airflow



PerfectPleat® and DuraFlex® are registered trademarks of AAF-McQuay Inc. in Canada and the U.S.