

## PRODUCT OVERVIEW

- MERV 13
- Available in 1", 2" & 4" depths
- Ideal for use in
  - Office and Retail
  - Manufacturing and Distribution
  - Government and Educational facilities
  - Doctor offices, assisted living facilities and Hospitals
  - Hotels and Airports
  - Single and Multi-Family Housing



## **AEROSTAR** GREEN PLEAT

### WHY THE GREEN PLEAT?

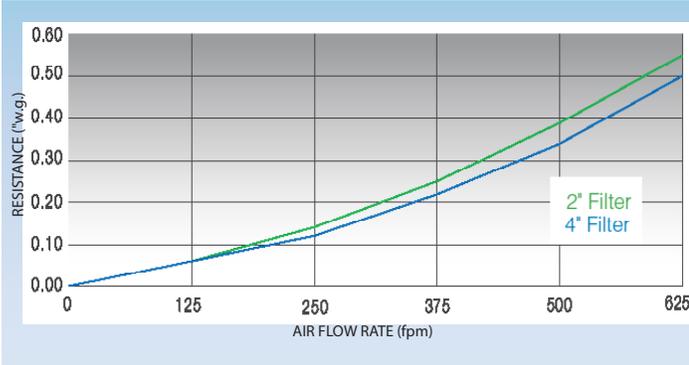
- Advanced, dual-component, synthetic air media
- Charged fibers immediately trap contaminants
- Resulting dust cake enhances traditional filtration
- Promotes high filtration during entire life cycle
- High efficiency filtration in compact depth
  - Low resistance to air flow
  - Reduced energy costs
  - Eliminates need to retrofit to achieve a higher MERV rating
  - Provides points toward LEED certification
  - Keeps coils and ductwork much cleaner
  - Quickly traps pollen, allergens & contaminants

# AEROSTAR GREEN PLEAT

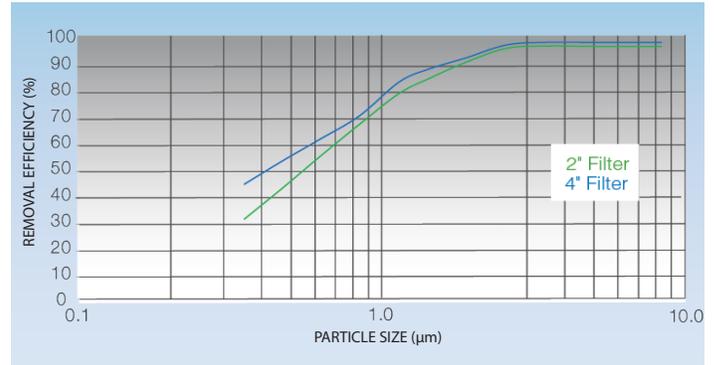
## PERFORMANCE DATA (24 x 24)

CAPACITY	FILTER DEPTH	INITIAL RESISTANCE ("w.g.)				FINAL RESISTANCE ("w.g.)
		300 fpm	375 fpm	500 fpm	625 fpm	
High	1"	0.33	0.45	–	–	1.0
	2"	–	0.25	0.39	0.56	1.0
	4"	–	0.22	0.34	0.50	1.0

## INITIAL RESISTANCE (24 x 24)



## MINIMUM REMOVAL EFFICIENCY (24 x 24)



## PRODUCT DATA

PART NUMBER	NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES	
			300 fpm	375 fpm
21567	10 x 20 x 1	9 1/2 x 19 1/2 x 3/4	400	525
21570	12 x 12 x 1	11 3/4 x 11 3/4 x 3/4	300	375
21571	12 x 20 x 1	11 1/2 x 19 1/2 x 3/4	500	625
21572	12 x 24 x 1	11 1/2 x 23 1/2 x 3/4	600	750
21574	14 x 20 x 1	13 1/2 x 19 1/2 x 3/4	575	725
21576	14 x 25 x 1	13 1/2 x 24 1/2 x 3/4	725	900
21577	15 x 20 x 1	14 1/2 x 19 1/2 x 3/4	625	775
21579	16 x 16 x 1	15 3/4 x 15 3/4 x 3/4	525	650
21580	16 x 20 x 1	15 1/2 x 19 1/2 x 3/4	650	825
21581	16 x 24 x 1	15 1/2 x 23 1/2 x 3/4	800	1000
21582	16 x 25 x 1	15 1/2 x 24 1/2 x 3/4	825	1050
21584	18 x 20 x 1	17 1/2 x 19 1/2 x 3/4	750	925
21586	18 x 24 x 1	17 1/2 x 23 1/2 x 3/4	900	1125
21587	18 x 25 x 1	17 1/2 x 24 1/2 x 3/4	925	1175
21588	20 x 20 x 1	19 1/2 x 19 1/2 x 3/4	825	1050
21589	20 x 24 x 1	19 1/2 x 23 1/2 x 3/4	1000	1250
21590	20 x 25 x 1	19 1/2 x 24 1/2 x 3/4	1050	1300
21591	20 x 30 x 1	19 3/4 x 29 3/4 x 3/4	1250	1530
21593	24 x 24 x 1	23 1/2 x 23 1/2 x 3/4	1200	1500
21594	25 x 25 x 1	24 1/2 x 24 1/2 x 3/4	1300	1625

PART NUMBER	NOMINAL SIZE* (H" x W" x D")	ACTUAL SIZE (H" x W" x D")	CFM CAPABILITIES	
			375 fpm	500 fpm
21515	10 x 20 x 2	9 1/2 x 19 1/2 x 1 3/4	525	700
21516	12 x 24 x 2	11 3/8 x 23 3/8 x 1 3/4	750	1000
21517	14 x 20 x 2	13 1/2 x 19 1/2 x 1 3/4	725	975
21518	14 x 25 x 2	13 1/2 x 24 1/2 x 1 3/4	900	1200
21519	16 x 20 x 2	15 1/2 x 19 1/2 x 1 3/4	825	1100
21520	16 x 24 x 2	15 3/8 x 23 3/8 x 1 3/4	1000	1325
21521	16 x 25 x 2	15 1/2 x 24 1/2 x 1 3/4	1050	1400
21522	18 x 24 x 2	17 3/8 x 23 3/8 x 1 3/4	1125	1500
21523	18 x 25 x 2	17 1/2 x 24 1/2 x 1 3/4	1175	1550
21524	20 x 20 x 2	19 1/2 x 19 1/2 x 1 3/4	1050	1400
21525	20 x 24 x 2	19 3/8 x 23 3/8 x 1 3/4	1250	1650
21526	20 x 25 x 2	19 1/2 x 24 1/2 x 1 3/4	1300	1700
21527	24 x 24 x 2	23 3/8 x 23 3/8 x 1 3/4	1600	2000
21528	25 x 25 x 2	24 1/2 x 24 1/2 x 1 3/4	1625	2150
21541	12 x 24 x 4	11 3/8 x 23 3/8 x 3 3/4	500 fpm 1000	625 fpm 1250
21542	16 x 20 x 4	15 1/2 x 19 1/2 x 3 3/4	1100	1400
21543	16 x 25 x 4	15 1/2 x 24 1/2 x 3 3/4	1400	1750
21544	18 x 24 x 4	17 3/8 x 23 3/8 x 3 3/4	1500	1875
21545	20 x 20 x 4	19 1/2 x 19 1/2 x 3 3/4	1400	1750
21546	20 x 24 x 4	19 3/8 x 23 3/8 x 3 3/4	1650	2100
21547	20 x 25 x 4	19 1/2 x 24 1/2 x 3 3/4	1750	2200
21548	24 x 24 x 4	23 3/8 x 23 3/8 x 3 3/4	2000	2500

\* Contact Customer Care for additional sizes and information.

## ENGINEERING SPECIFICATIONS

### 1.0 General

- 1.1 Filters shall be Aerostar® MERV 13 Green Pleat extended surface pleated air filters as manufactured by Filtration Group.
- 1.2 Filters shall be available in depths of 1", 2", and 4".
- 1.3 Underwriters Laboratories classified to UL 900.

### 2.0 Filter Materials of Construction

- 2.1 Media shall be 100% synthetic media that does not support microbial growth.
- 2.2 Frame shall be a high wet strength beverage board with cross member design that increases filter rigidity and prevents breaching. Frame shall be recyclable.

- 2.3 Filters shall have a 100% post-consumer recycled expanded metal support grid bonded to the air-exiting side of the filter to maintain pleat uniformity and prevent fluttering. Metal support grid shall be recyclable.

### 3.0 Filter Performance

- 3.1 Filters shall be MERV 13 when tested in accordance with ASHRAE 52.2 Test Standard.
- 3.2 For initial resistance of filters, see Performance Data chart above.
- 3.3 Filter shall be rated to withstand a continuous operating temperature up to 150°F
- 3.4 Filters shall have a recommended final resistance of 1.0" w.g.