

# GREEN PLEAT



**1", 2" & 4"  
MERV 13**



*Ideal for use in*

- *Commercial/Industrial*
- *Schools/Universities*
- *Hospitals/Health Care Facilities*

## WHY A 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 high MERV efficiency
  - Provides points toward LEED certification
  - Keeps coils and ductwork much cleaner
  - Quickly traps pollen, allergens & contaminants



MINIMUM 35% POST CONSUMER CONTENT

## Filtration Group

HVAC



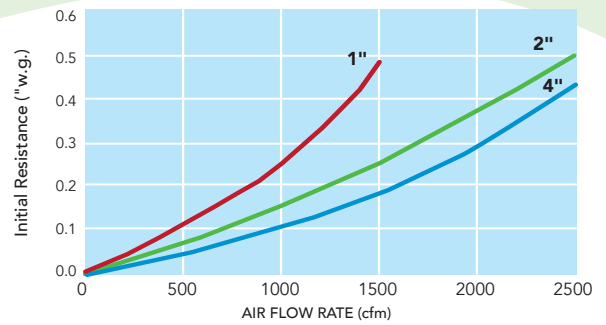
## GREEN PLEAT PERFORMANCE DATA (fpm)

FILTER DEPTH	MEDIUM VELOCITY	INITIAL RESISTANCE MEDIUM ("w.g.)	HIGH VELOCITY	INITIAL RESISTANCE HIGH ("w.g.)	FINAL RESISTANCE (All Filters)
1"	300	0.35	375	0.47	1.0
2"	375	0.25	500	0.37	1.0
4"	500	0.29	625	0.42	1.0

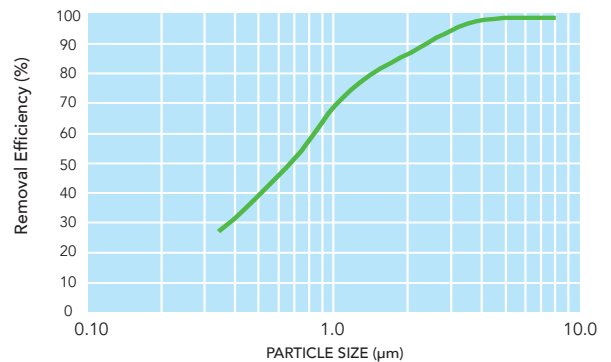
## GREEN PLEAT DIMENSIONS

PART NUMBER	NOMINAL SIZE	CFM CAPACITIES	
		MEDIUM (300)	HIGH (375)
21567	10 x 20 x 1	400	525
21570	12 x 12 x 1	300	375
21571	12 x 20 x 1	500	625
21572	12 x 24 x 1	600	750
21574	14 x 20 x 1	575	725
21576	14 x 25 x 1	725	900
21577	15 x 20 x 1	625	775
21579	16 x 16 x 1	525	650
21580	16 x 20 x 1	650	825
21581	16 x 24 x 1	800	1000
21582	16 x 25 x 1	825	1050
21584	18 x 20 x 1	750	925
21586	18 x 24 x 1	900	1125
21587	18 x 25 x 1	925	1175
21588	20 x 20 x 1	825	1050
21589	20 x 24 x 1	1000	1250
21590	20 x 25 x 1	1050	1300
21591	20 x 30 x 1	1250	1530
21593	24 x 24 x 1	1200	1500
21594	25 x 25 x 1	1300	1625
		<b>MEDIUM (375)</b>	<b>HIGH (500)</b>
21515	10 x 20 x 2	525	700
21516	12 x 24 x 2	750	1000
21517	14 x 20 x 2	725	975
21518	14 x 25 x 2	900	1200
21519	16 x 20 x 2	825	1100
21520	16 x 24 x 2	1000	1325
21521	16 x 25 x 2	1050	1400
21522	18 x 24 x 2	1125	1500
21523	18 x 25 x 2	1175	1500
21524	20 x 20 x 2	1050	1400
21525	20 x 24 x 2	1250	1650
21526	20 x 25 x 2	1300	1700
21527	24 x 24 x 2	1600	2000
21528	25 x 25 x 2	1625	2150
		<b>MEDIUM (500)</b>	<b>HIGH (625)</b>
21541	12 x 24 x 4	1000	1250
21542	16 x 20 x 4	1100	1400
21543	16 x 25 x 4	1400	1750
21544	18 x 24 x 4	1500	1875
21545	20 x 20 x 4	1400	1750
21546	20 x 24 x 4	1650	2100
21547	20 x 25 x 4	1750	2200
21548	24 x 24 x 4	2000	2500

## INITIAL RESISTANCE (24 X 24)



## EFFICIENCY PER ASHRAE 52.2 (24 X 24 X 2)



## GREEN PLEAT ENGINEERING SPECIFICATIONS

### 1.0 General

- Filters shall be Aerostar® MERV 13 Green Pleat extended surface pleated air filters as manufactured by Filtration Group.
- Filters shall be available in depths of 1", 2", and 4".
- Underwriters Laboratories classified to UL 900.
- Filters are manufactured by an ISO 9001 registered company.

### 2.0 Filter Material of Construction

- Media shall be 100% synthetic media that does not support microbial growth.
- Frame shall be a heavy-duty, high strength, moisture resistant paperboard with cross member design that increases filter rigidity and prevents breaching. Frame shall be made with 100% recycled paperboard with an average of 35% post-consumer content. Frame shall be recyclable.
- 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

- Filters shall be MERV 13 when tested in accordance with ASHRAE 52.2-2012 Test Standard.
- For initial pressure drop of filters, see Performance Data chart above.
- Filter shall be rated to withstand a continuous operating temperature up to 150°F.
- Filters shall have a recommended final resistance of 1.0" w.g.



Green Pleat is LEED compliant for efficiency and utilizes a 100% recycled paperboard frame.



MERV 13 filter in a compact design that installs into existing units with no retrofitting required.

Industrial grade frame and advanced synthetic media assure filter performance during the entire life-cycle.

# Filtration Group



HVAC

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