

**NOW INTRODUCING**



# DIAMOND PLEAT

**2"**  
**MERV 10**  
HIGH CAPACITY

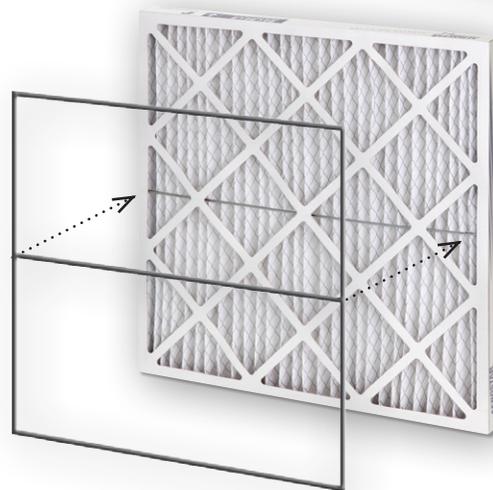


*Ideal for use in*

- *Commercial*
- *Industrial*
- *Hospitals*

## WHY DIAMOND PLEAT?

- All the benefits of the Series 400 plus increased durability from an internal reinforced steel frame
- Achieves a MERV 10 without an electrostatic charge
- Extremely low resistance of 0.17" w.g.
  - Improved air flow
  - Energy cost savings
- 100% synthetic media
  - Moisture resistant
  - Will not promote biological growth



*Internal  
Reinforced  
Steel Frame*

**Filtration Group**

HVAC



# 2" DIAMOND PLEAT

## DIAMOND PLEAT ENGINEERING SPECIFICATIONS

### 1.0 General

- 1.1 Filters shall be Aerostar Diamond Pleat extended surface pleated air filters as manufactured by Filtration Group.
- 1.2 Filters shall be available in 2" high capacity configuration.
- 1.3 Filters shall be classified according to UL 900 and classified Class 2 according to ULC-S111-07.
- 1.4 Filters are manufactured by an ISO 9001 registered company.

### 2.0 Filter Materials of Construction

- 2.1 Media shall be 100% synthetic, mechanical media that does not support microbial growth.
- 2.2 Frame shall be a heavy duty, high strength, moisture resistant paperboard with a 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.
- 2.3 Filters shall have an 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 and contain a significant amount of post-consumer and pre-consumer recycled content.
- 2.4 Filters shall have a welded steel support frame on the downstream side of the pleat pack to increase durability and strength of the filter.

### 3.0 Filter Performance

- 3.1 Filters shall be MERV 10 when fully tested in accordance with the ASHRAE 52.2 Test Standard.
- 3.2 Initial resistance of filters shall not exceed 0.17" w.g. at 500 fpm air flow.
- 3.3 Filters shall be rated to withstand a continuous operating temperature up to 200°F.
- 3.4 Filters shall have a recommended final resistance of 1.0" w.g.

## 2" DIAMOND PLEAT

PART NUMBER	NOMINAL SIZE*	CFM CAPACITIES	
		MEDIUM	HIGH
25010102	10 x 10 x 2	250	350
25010202	10 x 20 x 2	525	700
25012202	12 x 20 x 2	625	825
25012242	12 x 24 x 2	750	1000
25014202	14 x 20 x 2	725	975
25014252	14 x 25 x 2	900	1200
25015202	15 x 20 x 2	775	1025
25016162	16 x 16 x 2	650	875
25016202	16 x 20 x 2	825	1100
25016242	16 x 24 x 2	1000	1325
25016252	16 x 25 x 2	1050	1400
25018222	18 x 22 x 2	1025	1375
25018242	18 x 24 x 2	1125	1500
25018252	18 x 25 x 2	1175	1550
25020202	20 x 20 x 2	1050	1400
25020242	20 x 24 x 2	1250	1650
25020252	20 x 25 x 2	1300	1750
25024242	24 x 24 x 2	1500	2000
25025252	25 x 25 x 2	1625	2150

\*Contact Customer Service for actual sizes.

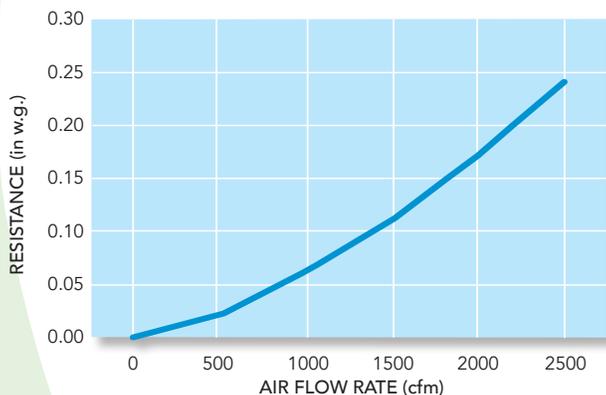
## DIMENSIONS AND PERFORMANCE DATA

FILTER DEPTH	VELOCITY	INITIAL RESISTANCE	FINAL RESISTANCE
2"	375	0.11" w.g.	1.0" w.g.
2"	500	0.17" w.g.	1.0" w.g.

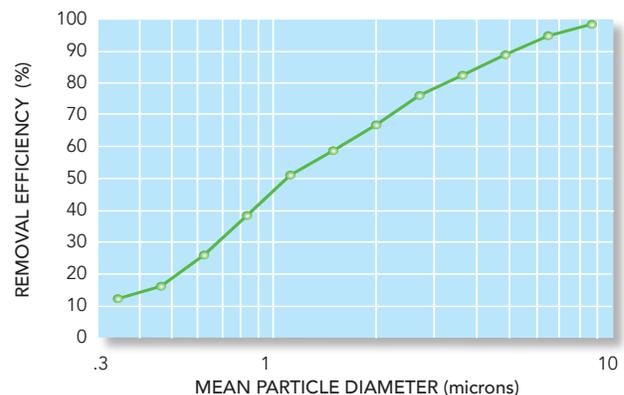
## APPLICATION PARAMETERS

Recommended Temperature:	200° F
Recommended Final Resistance:	1.0" w.g.
Frame:	100% Recycled Paperboard

## INITIAL RESISTANCE



## FRACTIONAL EFFICIENCY



# Filtration Group

HVAC

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