

NOVAPLEAT ENGINEERING SPECIFICATION

1.0 General

- 1.1 Filters shall be Aerostar NOVAPleat extended surface pleated air filters as manufactured by Filtration Group, Inc.
- 1.2 Filters shall be available standard and high capacity configurations with a depth of 2”.
- 1.3 Filters shall be UL Classified.
- 1.4 Manufacturer shall provide documentation from an external certification body that the manufacturing location is an ISO 9001 Registered Company.

2.0 Filter Materials of Construction

- 2.1 Media shall be 100% synthetic media that does not support microbial growth with a square top pleat tip that increases surface contact and increases filter rigidity.
- 2.2 Frame shall be a heavy duty, high strength, moisture resistant paperboard with horizontal strips and a vertical support strut on the downstream side 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 be of a metal-free construction that can be completely incinerated and does not contain galvanized steel to reduce its impact when land filled.

3.0 Filter Performance

- 3.1 Filters shall be MERV 8 in both standard capacity and high capacity configurations when fully tested in accordance with the ASHRAE 52.2 Test Standard.
- 3.2 Filter shall have a low initial pressure drop that shall not exceed 0.30” W.G. in high capacity at 500 fpm airflow and 0.33” W.G. in standard capacity at 500 fpm airflow.
- 3.3 Filters 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.