ENDURO-PLEAT ENGINEERING SPECIFICATION

1.0 General

1.1 Filters shall be Aerostar® Enduro-Pleat extended surface pleated air filters as manufactured by Filtration Group.
1.2 Filters shall be available in standard configurations and available in depths of 2” and 4”.
1.3 Underwriters Laboratories classified to UL 900.
1.4 Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction

2.1 Media shall be 100% synthetic, non-charged mechanical media that does not support microbial growth.
2.2 Frame shall be a heavy duty, high strength, 28 pt moisture resistant beverage board with a cross member design that increases filter rigidity and prevents breaching.
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. Expanded metal shall weigh minimum of 0.05 pounds/ft² and be minimum 93% open.

3.0 Filter Performance

3.1 Filters shall be MERV 8/8A in all filter depths when tested in accordance with the ASHRAE 52.2-2012 Test Standard.
3.2 Initial resistance of filters shall not exceed 0.21” at 500 fpm air flow.
3.3 Filters shall be rated to withstand a continuous operating temperature up to 180°F and 100% maximum relative humidity.
3.4 Filters shall have a recommended final resistance of 1.5” W.G.