SERIES 1100 ENGINEERING SPECIFICATION

1.0 General

1.1 Filters shall be Aerostar® Series 1100 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 material of construction shall be 100% synthetic.
2.2 Frame shall be a heavy duty, moisture resistant paperboard with a cross member design that increases filter rigidity and prevents breaching. Frame shall be made with 100% recycled paperboard.
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.

3.0 Filter Performance

3.1 Filters shall be MERV 11 when tested in accordance with the ASHRAE 52.2 – 2012 Test Standard.
3.2 Filters shall be rated to withstand a continuous operating temperature up to 150 °F.
3.3 Filters shall have a recommended final resistance of 1.0” W.G.