SERIES 750 PLUS ENGINEERING SPECIFICATION

1.0 General

1.1 Filters shall be Aerostar® Series 750 Plus odor removal pleated air filters as manufactured by Filtration Group.
1.2 Filters shall be available in nominal depths of 1”, 2”, and 4”.
1.3 Filters are manufactured by an ISO 9001 registered company.

2.0 Filter Materials of Construction

2.1 Media shall be a carbon-loaded nonwoven consisting of 100% synthetic fibers that do not support microbial growth. Media shall contain chemically enhanced coconut shell activated carbon loaded at 300 grams per square meter.
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 be of a metal-free construction that can be completely incinerated and shall not contain galvanized steel in order to reduce its impact when land-filled.

3.0 Filter Performance

3.1 Filters shall achieve at least MERV 11 when tested in accordance with the ASHRAE 52.2 – 2012 Test Standard.
3.2 Filters shall demonstrate effectiveness against toluene, hydrogen sulfide, and formaldehyde when tested as recommended in ASHRAE 145.2 Test Standard.
3.3 Filter initial pressure drop shall not exceed 0.54” w.g. when tested at the rated air flow. Filters shall have a recommended final resistance of 1.25” w.g.
3.4 Filters shall be rated to withstand a continuous operating temperature up to 150°F.