SERIES 550 ORDER REMOVAL PLEAT

ENGINEERING SPECIFICATION

1.0 General

1.1 Filters shall be Aerostar® Series 550 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 non-woven consisting of 100% synthetic fibers that do not support microbial growth. Media shall contain virgin coconut shell activated carbon loaded at 200 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 does 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 6 when tested in accordance with the ASHRAE 52.2 – 2012 Test Standard.

3.2 Filters shall have a low initial pressure drop that shall not exceed 0.34” w.g. at 500 fpm air flow for a 2” filter.

3.3 Filters shall be rated to withstand a continuous operating temperature of up to 150°F.

3.4 Filters shall have a recommended final resistance of 1.25” w.g.