Multi-Pleat HC XL-8 (MERV 8) (1” Nominal Depth), Engineering Specification

1.0 General

1.1 Filter shall be the Multi-Pleat HC XL-8 extended surface pleated air filter manufactured by Koch Filter Corp.

1.2 Filters shall be available in high capacity pleat configuration with a depth of 1” (nominal – 3/4” actual)

1.3 Filters shall be classified UL and cUL per the UL 900 Standard

2.0 Filter Materials and Construction

2.1 Media shall be 100% synthetic. The media will not support microbial growth.

2.2 Media laminated to corrosion resistant expanded metal.

2.3 Frame shall be a heavy duty, high strength, moisture resistant paperboard (24 point) double wall construction with an integral die-cut faceguard on the air entering and air leaving sides to prevent movement and protect the media pack and ensure media pack integrity during shipping and actual operation.

2.4 The media pack shall be secured within the frame with an adhesive sealant to ensure leak free construction.

3.0 Filter Performance

3.1 Filters shall be a MERV 8 when tested in accordance with the ASHRAE 52.2-2007 Test Standard

3.2 Filter shall have a low initial pressure drop that shall not exceed 0.21” W.G. at an air flow rate of 300 FPM.

3.3 Filters shall be rated to withstand a continuous operating temperature of 200°F (93°C)

3.4 Filters shall have a recommended final resistance of 1.0” W.G.