



## **Multi-Pleat XL-8 (MERV 8) (2" Nominal Depth), Engineering Specification**

### **1.0 General**

- 1.1 Filter shall be the Multi-Pleat SC XL-8 extended surface pleated air filter manufactured by Koch Filter Corp.
- 1.2 Filters shall be available in standard capacity pleat configuration with a depth of 2" (nominal – 1-3/4" 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 0.25" W.G. at an air flow rate of 500 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.