**Air Filters**

**1.0 General**

**1.1** - Air filters shall be HEPA grade standard capacity air filters with, water-resistant micro glass fiber media, corrugated aluminum separators, silicone sealant, 304 stainless steel enclosing frame, and silicone sealing gasket. Filters shall be capable of operation to 500° F.

**1.2** - Sizes shall be as noted on drawings or other supporting materials.

**2.0 Construction**

**2.1** - Filter media shall be one continuous pleating of micro glass fiber media.

**2.2** - Pleats shall be uniformly separated by corrugated aluminum separators incorporating a hemmed edge to prevent damage to the media.

**2.3** - The media pack shall be bonded into the enclosing frame through the use of a silicone sealant. The sealant shall be capable of maintaining integrity to 500° F.

**2.4** - The enclosing frame of 304 stainless steel frame construction, shall be bonded to the media pack and form a rugged and durable enclosure. Overall dimensional tolerance shall be correct within -1/8" to +0” and square within 1/8".

**2.5** - A silicone sponge gasket shall be located on the downstream side of the filter (unless otherwise noted) and shall be capable of maintaining the filter to holding mechanism seal throughout the life of the filter.

**3.0 Performance**

**3.1** - The filter shall have a tested efficiency of (95%, 99.97%, 99.99%)\*when evaluated on particles 0.3 micron in size. 95% efficiency units untested.

**3.2** - Initial resistance to airflow shall not exceed (0.80", 1.0", 1.0").

**3.3 -** Manufacturer shall provide evidence of facility certification to ISO 9001:2015

**3.4 -** Filter shall be listed as UL-9000 per Underwriters Laboratories.

Filter shall be Camfil Absolute® K or equal.

**Supporting Data** - The filter shall be labeled with tested efficiency, rated/tested airflow, and pressure drop and shall be serialized for identification and quality assurance.

\* Items in parentheses ( ) require selection.

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