**Specification**

**1.0 General**

**1.1 -** Air filters classified as 99.99% or 99.999% efficient shall be absolute grade HEPA filters consisting of pleated media packs assembled in a V-bank configuration, polyurethane sealant, anodized aluminum enclosure and seamless sealing gasket.

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

**2.0 Construction**

**2.1 -** Filter media shall be micro fiber glass formed into mini-pleat, pleat-in-pleat V-bank design.

**2.2 -** The media packs shall be potted into the enclosing frame with fire resistant polyurethane sealant.

**2.3 -** An enclosing frame of anodized extruded aluminum shall form a rugged and durable enclosure.

**2.4 -** The filter shall include a sealing channel 0.50” wide by 0.543” deep filled with an elastic gel to create a positive seal between filter and filter mounting hardware.

**3.0 Performance**

**3.1 -** Filter efficiency at 0.3 microns shall be (99.99% or 99.999%) when evaluated according to IEST-RP-CC007 for global efficiency. Each filter shall have a machine-printed label indicating the tested airflow, initial airflow resistance, and efficiency values. Note: 95% units are not scan tested.

**3.2 -** Initial resistance shall be 1.0” w.g. ±10% target at rated airflow. (0.80” w.g. for 95%)\*.

**3.3 -** Filter shall be qualified as UL 586 and UL 900 per Underwriters Laboratories.

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

Filters shall be Camfil Fitra 2000 with gel seal or equivalent.

\* Items in parentheses ( ) require selection.