**Specification**

**1.0 General**

**1.1** - Air filters shall be HEPA-grade filters consisting of pleated media packs assembled in a V-bank configuration, polyurethane sealant, ABS plastic enclosure and seamless filter-to-holding mechanism sealing gasket.

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

**1.3** – Full sized and half sized Absolute VG shall not exceed 22lbs and 13lbs, respectively.

**2.0 Construction**

**2.1** - Filter media shall be a micro fiberglass mat formed into individual mini pleats separated by hot-melt or thread separators into a 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 ABS plastic shall form a rugged and durable enclosure. The enclosing frame shall include one or two integral handles to facilitate filter alignment and ease of installation. The sides shall include integral frame support bridging to increase filter enclosure rigidity.

**2.4** - A seamless gasket shall be included on the downstream side of the filter to form a positive seal upon installation.

**3.0 Performance**

**3.1** - Filter efficiency at 0.3 micron shall be 99.99% at 500 ft/min airflow velocity (and 99.97% at 600 ft/min) when evaluated according to the IEST Recommended Practice for applicable type. Each filter shall be labeled as to tested performance.

**3.2** - Initial resistance shall not exceed 0.8" w.g. ±10% at rated capacity.

**3.3** - Filter shall be listed as UL 900 per Underwriters Laboratories.

**3.4** - Filter shall have a 5-Star rating when evaluated per Energy Cost Indix (ECI).

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

**3.6** - Each filter shall include a serialized Certificate of Conformance noting nominal and actual airflows, global efficiencies and initial pressure drops on a machine printed label.

Filter shall be Absolute VG Gasket-seal or equal.

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