**Specification**

**1.0 General**

**1.1 -** Air filters shall be V-bank mini-pleat fiberglass disposable type with pleat separators, polyurethane pack-to-frame sealant, ABS plastic enclosing frame, and have an ECI value of five stars.

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

**2.0 Construction**

**2.1 -** The media packs shall be potted into the enclosing frame.

**2.2 -** An enclosing frame of ABS plastic shall form a rugged and durable enclosure. The sides shall include integral frame support bridging to increase filter enclosure rigidity. The enclosure shall also be capable of withstanding 30 inch-pounds of clamping torque when measured from the air-entering side to ensure filter-to-frame sealing.

**3.0 Performance**

**3.1 -** The filter shall have a Minimum Efficiency Reporting Value of (MERV 14/14A or MERV 16/16A) when evaluated under ASHRAE Standard 52.2, Appendix J. It shall have an efficiency of (ePM1-85 or ePM1-95%) when evaluated per ISO filter testing standard 16890.

**3.2 -** The filter shall be capable of withstanding 10.00" w.g. without failure of the media pack.

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

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

**Supporting Data -** Provide product test reports for each listed efficiency including all details as prescribed in ASHRAE Standards 52.2 including Appendix J.

Items in parenthesis require selection.

Filters shall be Camfil Durafil ES3 Box or equal.

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