**1.0 General**

**1.1** - Air filters shall be high efficiency ASHRAE supported media box-style filters consisting of wet-laid micro fine glass mat media, safe-edge aluminum separators, frame to media pack adhesive bonding, and an aluminized steel enclosure..

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

**2.0 Construction**

**2.1** - Filter media shall be one continuous sheet of micro fine wet-laid glass mat media. The media shall be capable of withstanding a relative humidity level of 99%.

**2.2** - Media separators of aluminum construction shall provide media separation and promote uniform airflow across the media surface. The edges of the separators shall incorporate a safe-edge on the air entering and air existing sides so the separators will not puncture the media.

**2.3** - An enclosing frame of galvanized steel, with an aluminized finish, shall provide a rugged and durable filter pack. A peripheral header (s) shall be included for side access or built up bank frame installation.

**3.0 Performance**

**3.1** - The filter shall have a Minimum Efficiency Reporting Value of MERV (11, 13, 14) when evaluated under the guidelines of ASHRAE Standard 52.2-2012. It shall also have a MERV-A rating of (11, 13, 14) when evaluated under ASHRAE Standard 52.2, Appendix J. It shall have an efficiency of (ePM10-70, ePM1-65, ePM1-70) when evaluated per ISO filter testing standard 16890.

**3.2** - Initial resistance to airflow shall not exceed (0.45”, 0.60”, 0.65”)\* w.g. at an airflow of 500 fpm.

**3.3-** The filter shall be classified by Underwriters Laboratories as UL900.

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

**Supporting Data** - Provide product test reports for each listed efficiency including all details as prescribed in ASHRAE Standards 52.2 and ISO Standard 16890.

Filters shall be Camfil Aeropac.

*\* Items in parentheses ( ) require selection.*

March/2025