**Specifications**

**1.0 General**

**1.1 -** Air filters shall be medium efficiency ASHRAE pleated panels consisting of a synthetic media blend, media support grid, and enclosing frame.

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

**2.0 Construction**

**2.1 -** Filter media shall be a synthetic blend, lofted to a uniform depth, and formed into a uniform radial pleats. There shall be at least 12, 10 or 9 pleats per linear foot for 1” deep, 2” deep or 4” deep filters respectively.

**2.2 –** An expanded metal backing treated for corrosion resistance, shall be bonded to the downstream side of the media to prevent media oscillation.

**2.3 -** An enclosing frame, of high wet-strength beverage board shall provide a rigid and durable enclosure. The frame shall be bonded to the media to prevent air bypass, and include integral diagonal support members on the air entering and air existing side to maintain uniform pleat spacing in varying airflows.

**3.0 Performance**

**3.1 -** The filter shall have a Minimum Efficiency Reporting Value of MERV 13 when evaluated under the guidelines of ASHRAE Standard 52.2.

**3.2 -** Initial resistance to airflow shall not exceed 0.49”, 0.51” or 0.37” w.g. at an airflow of 350 or 500 fpm on 1”, 2” or 4” deep models respectively.

**3.3 -** The filter shall be classified by Underwriters Laboratories as UL Class 900.

**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 Standard 52.2.

Filter shall be Camfil AP-Thirteen SC or equal.

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