

Camfil Durafil Compac

1.0 General

1.1 - Air filters shall be six-inch deep V-bank mini-pleat fiberglass disposable type with pleat separators, polyurethane pack-to-frame sealant, ABS enclosing frame and have an ECI value of 4-Stars.

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

2.0 Construction

2.1 - Filter media shall be of micro fine glass fibers, separated at 25mm intervals to ensure pleat separation and uniform airflow through the filter pack.

2.2 - Pleated media packs shall be assembled into a V-bank configuration with sufficient total media area to meet airflow requirements.

2.3 - The media packs shall be bonded to the inside periphery of an ABS enclosing frame with a polyurethane sealant. The enclosing frame shall include top and bottom molded tracks as in integral part of the frame to ensure a proper seal.

2.4 - Media packs shall be recessed at least 3/8" from the air entering side of the enclosing frame to allow uniform airflow when a prefilter is mounted directly to the enclosing frame. The frame shall include integral locations for the attachment of prefilter fasteners.

2.5 - Rigid plastic end caps shall be mechanically fastened to the top and bottom of the media pack enclosing structure to ensure a rigid and durable filter.

3.0 Performance

3.1 - The filter shall have a Minimum Efficiency Reporting Value of MERV (13, 14 or 15) when evaluated under the guidelines of ASHRAE Standard 52.2. It shall also have a MERV-A rating of (13A, 14A or 15A) when evaluated under ASHRAE Standard 52.2, Appendix J. When evaluated under ISO Standard 16890 the filter shall have efficiency of (ePM1-60%, ePM1- 70% or ePM1- 80%).*

3.2 - Initial resistance to airflow shall be rated at (0.47", 0.50" or 0.69") inches w.g. at an airflow of 500 fpm.

3.3 - The filter efficiency shall be listed on the filter. The filter shall be listed UL 900 by Underwriters Laboratories.

3.4 - The filter shall be capable of withstanding 10.0" w.g. without failure of the media pack.

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

3.6 - Filter shall have a 4-Star rating when evaluated per Energy Cost Index (ECI).

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

Filters shall be Camfil Durafil Compac 6-Inch filter or equal.

Items in parentheses () require selection. * Select text related to appropriate filter testing standard.