Product Specifications (AFP 2000)
Standard Capacity Pleated Air Filter – MERV 10

General

All filters shall be medium efficiency, pleated type air filters, consisting of electrostatically charged synthetic media, media support grid and two-piece enclosure frame.

Construction

The filter media shall be comprised of 100% synthetic fibers, (electrostatically enhanced) which shall maintain a uniform depth of 0.18", and shall be pleated into a wedge shaped "V" configuration.

A galvanized expanded steel support grid shall be bonded to the downstream side of the media to maintain the wedge shaped pleat configuration and to prevent media oscillation.

The two-piece enclosure frame, constructed of 26-28 point, high wet strength clay coated kraft board, shall include overlapping flaps and interlocking corners to provide optimum strength and support of the pleated element. The frame shall be bonded to the pleated element at all contact points, thus providing uniform pleat spacing, allowing for optimum airflow and preventing air bypass. Kraft board pleat spacers shall be included on all 4" deep models to further enhance uniform separation of media and optimum airflow.

The filter shall have no less than 12.1 square feet of media area, based on nominal dimensions of 24"x24"x2", (10 pleats per linear foot).

Square footages for 1", 2" and 4" filters shall be calculated as follows:

1" Depth	14 pleats per linear foot
2" Depth	10 pleats per linear foot
4" Depth	9 pleats per linear foot

Performance

The filter shall have a MERV rating, (Minimum Efficiency Reporting Value) of 10, when evaluated in accordance with ASHRAE Standard 52.2-2012. The synthetic fibers, (electrostatically charged) shall perform in a manner that provides high fractional efficiencies and substantially reduced initial resistance to airflow.

The filter shall have an average dust spot efficiency of 40-45%%, when evaluated in accordance with ASHRAE Standard 52.1-1992, and an average arrestance of 92%. The minimum dust holding capacity, when tested in accordance with this Standard, shall be no less than 180 grams.

The initial resistance to airflow, when tested at 500 fpm, shall not exceed 0.28" wg.

The filter shall be rated for flammability by Underwriters Laboratories as UL Std. 900.

Product Specifications (AFP 2000-M11)
Standard Capacity Pleated Air Filter – MERV 11

General

All filters shall be medium efficiency, pleated type air filters, consisting of electrostatically charged synthetic media, media support grid and two-piece enclosure frame.

Construction

The filter media shall be comprised of 100% synthetic fibers, (electrostatically enhanced) which shall maintain a uniform depth of 0.18", and shall be pleated into a wedge shaped "V" configuration.

A galvanized expanded steel support grid shall be bonded to the downstream side of the media to maintain the wedge shaped pleat configuration and to prevent media oscillation.

The two-piece enclosure frame, constructed of 26-28 point, high wet strength clay coated kraft board, shall include overlapping flaps and interlocking corners to provide optimum strength and support of the pleated element. The frame shall be bonded to the pleated element at all contact points, thus providing uniform pleat spacing, allowing for optimum airflow and preventing air bypass. Kraft board pleat spacers shall be included on all 4" deep models to further enhance uniform separation of media and optimum airflow.

The filter shall have no less than 12.0 square feet of media area, based on nominal dimensions of 24"x24"x2", (10 pleats per linear foot).

Square footages for 1", 2" and 4" filters shall be calculated as follows:

1" Depth	14 pleats per linear foot
2" Depth	10 pleats per linear foot
4" Depth	9 pleats per linear foot

Performance

The filter shall have a MERV rating, (Minimum Efficiency Reporting Value) of 11, when evaluated in accordance with ASHRAE Standard 52.2-1999. The synthetic fibers, (electrostatically charged) shall perform in a manner that provides high fractional efficiencies and substantially reduced initial resistance to airflow.

The filter shall have an average dust spot efficiency of 45-50%, when evaluated in accordance with ASHRAE Standard 52.1-1992, and an average arrestance of 92%. The minimum dust holding capacity, when tested in accordance with this Standard, shall be no less than 180 grams.

The initial resistance to airflow, when tested at 500 fpm, shall not exceed 0.36" wg.

The filter shall be classified by Underwriters Laboratories as UL II.