

Product Specification

Clean-Pak™ High-Efficiency Extended Surface Synthetic Bag Filters

1.0 Scope

This specification covers extended surface, non-supported bag filters that are a component of heating, ventilating and air conditioning systems.

2.0 Construction

The filters shall consist of media pockets attached to a metal header.

2.1 Media

The media shall consist of a three-layer synthetic fiber media, including a high-efficiency, melt-blown layer. Media color shall be per the schedule below:

CP-M16: Yellow / White

CP-M15: White

CP-M14: Yellow / White

2.2 Pockets

The media shall be formed into pockets by sonic welding around three sides to seal the edges.

Polypropylene fabric ribbon separators shall be sonic welded inside the pockets to control pocket inflation and prevent the pockets from touching when inflated.

2.3 Filter Frame

The filter shall have a 13/16" depth header formed from a single piece of galvanized steel with multiple bends, with a flanged inner support track.

Each pocket shall have a galvanized steel retainer, which is mechanically fastened together to secure the pockets and firmly seat into the header support track.

2.4 Frame Adhesive

Adhesive shall be used to bond the retainers to the header at all points of contact.



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2.5 Factory Installed Options

The filters shall be available with factory installed options. Options are identified by suffixes at the end of the model number.

1-1/8" "Cambridge Header" (C)

1/4" x 1/2" Open cell foam gasket

Air entering side of the header (U)

Air leaving side of the header (D)

Both sides of the header (UD)

One vertical side of the header (SA)

Loops sewn into the air leaving edge of each pocket, each loop 5" in length

Loops on the top of each pocket (L)

Loops on the top and bottom of each pocket (LTB)

3.0 Performance

The filters shall meet the following minimum performance requirements per ASHRAE Standard 52.2-2017. Tests conducted at 492 FPM face velocity on 24x24x29 8 pocket filters shall be representative of the performance of all sizes manufactured.

Model	CP-M16-242429-08	CP-M15-242429-08	CP-M12-242429-08
Media Color	Yellow / White	White	Yellow / White
Nominal Size	24 x 24 x 29	24 x 24 x 29	24 x 24 x 29
# of Pockets	8	8	8
Rated Air Flow Capacity	2000 CFM	2000 CFM	2000 CFM
Initial Resistance	0.33" W.G.	0.29" W.G.	0.12" W.G.
Final Resistance	1.50" W.G.	1.50" W.G.	1.50" W.G.
MERV	16	15	12*

*Clean-Pak CP-M12 is estimated MERV 12 per ASHRAE 52.2-2017 PSE data (no dust fed).

4.0 Underwriters Laboratories Classification

The filters shall be classified per UL Standard 900 for flammability.

5.0 Operating Temperature Limits

The filter shall operate at temperatures up to 190 °F (88 °C) without materially affecting filter integrity or performance.

