

Product Specification

MICROPLEAT® MINI PLEAT HEPA FILTER

1.0 Scope

This specification covers high efficiency particulate air (HEPA) filters that are a component of high purity and clean room applications

2.0 Construction

The filters consist of a high efficiency pleated media pack using hot-melt bead separators, contained in cell sides made of anodized extruded aluminum.

2.1 Media

The media shall be made of a continuous sheet of dual-phase high efficiency white micro-fiber glass paper with an acrylic binder.

2.2 Media Pack

The media shall be pleated into a pack using hot-melt bead separators, forming a 2" depth mini-pleat pack

2.3 Media Pack Sealant

The media pack shall be potted polyurethane on the top, bottom and sides of the frame.

2.4 Filter Frame

The media pack shall be contained within extruded cell sides of anodized aluminum.

2.5 Gasket

1/4" x 3/4" dovetail urethane gasket shall be installed on the air leaving side of the filter.



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2.6 Media Area

The filters shall contain a minimum amount of media per the following schedule:

24 x 24 x 2.75	110 ft ²
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3.0 Performance

The filters shall meet the following minimum performance, based on overall penetration testing per IEST-RP-CC001 using PAO aerosol.

MICROPLEAT products are individually tested and certified at the factory.

Model	H2424R00-0N0000036
Actual Size	24 x 24 x 2.75
Rated Air Velocity	90 FPM
Rated Air Flow Capacity	316 CFM
Initial Resistance	0.45 – 0.50" W.G.
Final Resistance	Twice Initial Resistance
Efficiency (0.3 micron)	99.99% (Scanned)

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 160°F (71 °C) without materially affecting filter integrity or performance.

6.0 Product Options

This specification covers standard MICROPLEAT construction. Product is available in a wide range of material and construction options.

Contact your Parker HVAC Filtration representative regarding product specifications for specific products.



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Minimum Efficiencies	99.97% on 0.3 micron (overall) 99.99% on 0.3 micron (scanned) 99.999% on 0.3 micron (scanned) 99.999% on 0.12 micron (scanned) 99.9995% on 0.12 micron (scanned)
Face Sizes	5" x 6" to 24" x 72"
Depth	2-3/4" to 6"
Rated Air Velocity	90 FPM
Cell Side Materials	Wood Galvanized Steel Stainless Steel Roll Formed Aluminum Anodized Extruded Aluminum
Cell Side Styles	4-Piece Box C-Style Box T-Style Box Reverse Gel Seal
Gasket	1/4" x 3/4" Urethane Gasket Urethane Gel Seal Knife Edge Skirt
Factory Options	Expanded Metal Faceguards <ul style="list-style-type: none"> - Galvanized Steel - Aluminum - Stainless Steel - White Coated Metal Center posts with test ports
Separators	2" Mini-Pleat Bead Pack (54 mm)

