

Product Specification

Purolator® P312 Disposable Panel Filters

1.0 Scope

This specification covers disposable panel filters that are a component of heating, ventilating and air conditioning systems.

2.0 Construction

The filters shall consist of polyester media in a one-piece pinch frame

2.1 Media

The media shall be 100% polyester fiber.

2.2 Filter Frame

The media shall be contained in a one-piece pinch frame made of heavy-duty kraft board.

The frame is sealed with a polyethylene adhesive under heat and pressure, forming a continuous bond around the entire perimeter of the frame.

2.3 Stapled Construction Alternative

Staples may be used to seal the perimeter of the frame in the manufacture of custom or low volume run sizes.

3.0 Performance

The filters shall meet the following minimum performance requirements per ASHRAE Standard 52.2-2017. Tests conducted at 295 FPM face velocity on 24x24 face size filters shall be representative of all sizes manufactured.

Model & Depth	P312 1"	P312 2"
Nominal Size	24 x 24 x 1	24 x 24 x 2
Rated Air Flow Capacity	1200 CFM	1200 CFM
Initial Resistance	0.07" W.G.	0.07" W.G.
Final Resistance	0.50" W.G.	1.00" W.G.
MERV	< 5	< 5



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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 200 °F (93 °C) without materially affecting filter integrity or performance.

