

FACET-Aire 3 and 2F

Space-saving Industrial Strength 1" and 2" Air Filters

Facet-Aire 3



Facet 2F



- Reduce warehouse space and shipping costs with innovative Monobond frame design
- Tri-directional scrim backing increases filter integrity
- Improved aerodynamics reduce restriction to air flow
- Safe, easy, fast installation
- Larger effective filtering surface area
- Class 2 listed by Underwriters Laboratories, Inc.

The FACET-Aire 3 (F312) and Facet 2F (2F) disposable panel filters are designed to withstand the demands of tough industrial and commercial applications. Purolator assures filter durability by utilizing construction features not found in traditional designs.

Frame

Both the F312 and 2F frames are produced using 100% recycled post consumer materials. The unique Monobond concept involves a one-piece frame sealed to the media under heat and pressure. This construction feature produces a continuous bond of media to board around the periphery of the frame eliminating weak corners and air bypass. The use of a high tensile strength polyethylene binder increases the integrity of the seal, allowing the filter to withstand varying temperatures and humidity levels.



Cut-away of the Facet Monobond frame construction feature - 2" size depicted here.



The space saving notched corner feature of a monobond frame

When compared to traditional designs, the Monobond type filter's notched frame corners allow units to interlock providing up to 33% savings on warehouse space and freight costs.

For certain heavy duty applications, Facet also offers a 2" Box frame construction available in sixteen (16) standard sizes.

Media

Both the F312 and 2F are manufactured with superior grade fiberglass media to guarantee full depth loading and high dust holding capacity.

A computer controlled manufacturing process assures a uniform gradient density pattern in the media.

To enhance filtration capability and prevent migration of finer particles, the filter media is evenly coated with a gelled adhesive.

Overall filter integrity is assisted by the addition of a Tri-Directional Scrim backing to the downstream side of the media. This scrim backing is laminated to the fiberglass and provides downstream support while promoting minimum fiber displacement at high velocities, and reducing restriction to air flow. The non-metal nature of the backing also eliminates sharp edges making for safe installation and easy disposal.

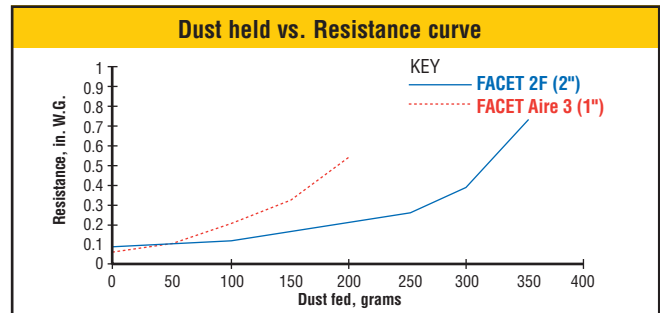
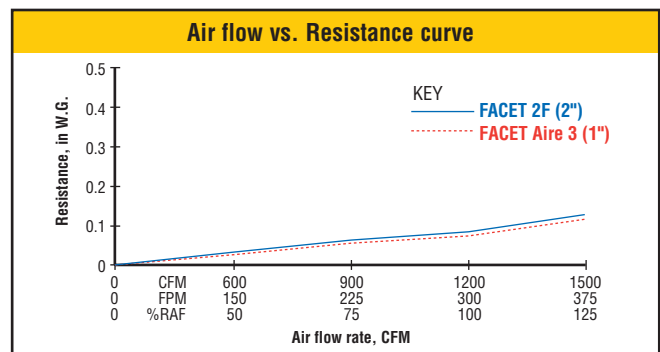
Performance data

Category	F312 (1")	2F (2")
Air Velocity (FPM)	300	300
Initial Resistance (in. W.G.)	.07	.09
Final Resistance (in. W.G.)	.50	.50
Average Arrestance (%)	72	80
Dust Holding Capacity (gm/ft ²)	55.9	74.0

Resistance performance curves

Resistance climbs more rapidly on 1" thus reducing dust holding capacity and filter life.

Testing conducted in accordance with ASHRAE 52.1-1992 test standards. Approved and listed Class 2 by Underwriters Laboratories, Inc.



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