

SuperFlow® Q

EXTENDED SURFACE MINI-PLEAT FILTERS



- Longer service life than traditional rigid style because of a very high ratio of media to nominal face area
- Aerodynamic vertical supports minimize air entry turbulence
- Mini-pleat panels provide rigidity for Variable Air Volume (VAV) systems and resistance to turbulent airflow
- May be operated from 0 to 500 FPM face velocity in either airflow direction
- Moisture resistant for humid air applications
- MERV 14 and 11

SuperFlow Q mini-pleat filters are designed for use in most commercial and industrial HVAC systems where medium to high efficiency filtration is required with minimal cost. SuperFlow Q filters are available in MERV 14 and MERV 11 efficiencies. The filter may be operated at face velocities from 0 – 500 FPM. SuperFlow Q filters are UL Classified.

Construction

SuperFlow Q filters are constructed of multiple mini-pleat panels bonded to flame-retardant plastic panels on top and bottom to make an unusually strong assembly that is both corrosion and moisture resistant. Aerodynamic extruded plastic vertical supports minimize air entry turbulence. SuperFlow Q filters are totally rigid, making them ideal for VAV systems, as well as applications downstream of supply fans. The use of all plastic materials makes the SuperFlow Q totally disposable and incinerable.

Low Pressure Drop

SuperFlow Q mini-pleat filters have a low, clean pressure drop, compared to other rigid style filter designs of the same efficiency. This affords low fan energy costs during much of the life of the filter system. In addition, these are the filters of choice for packaged air conditioning systems that do not have the fan capacity of larger central systems.

Physical Data

Media: Moisture-resistant microfine fiberglass

Filter Pack: Mini-pleat panels

Media Support: Adhesive

Top and Bottom Panels: Flame-retardant plastic

Vertical Supports: Aerodynamic extruded plastic vertical supports

Operating limits: 160°F (71°C) and 100% RH continuous duty

Actual Header Size: Nominal size less 5/8" (e.g. a nominal 24" x 24" filter is actually 23 3/8" x 23 3/8")

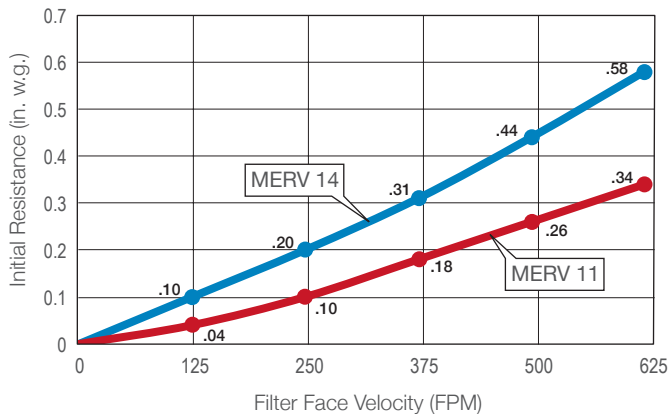
SuperFlow® Q Filters

Product Information

Nominal Filter Size	Actual Filter Size HxWxD (inches)	Rated Airflow Capacity (CFM)	Pressure Drop		Media Area (sq. ft.)
			MERV 11	MERV 14	
24 x 24	23 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	2000	.26	.44	100
24 x 12	23 ³ / ₈ x 11 ³ / ₈ x 11 ¹ / ₂	1000	.26	.44	45
24 x 20	23 ³ / ₈ x 19 ³ / ₈ x 11 ¹ / ₂	1600	.26	.44	85

Performance Data

Initial Resistance vs. Filter Face Velocity



All performance data based on ASHRAE Standard 52.2. Performance tolerance conforms to Section 6.4 of ANSI/AHRI Standard 850-2013.

Underwriters Laboratories Classification – SuperFlow Q filters are UL Classified. Testing was performed according to UL Standard 900.

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9920 Corporate Campus Drive, Suite 2200, Louisville, KY 40223-5690
888.223.2003 Fax 888.223.6500 | aafintl.com

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