

SUPER-FLOW® V PLUS

EXTENDED SURFACE HIGH PERFORMANCE MINIPLEAT FILTER

- Lowest pressure drop in its class, in the industry, for greater energy savings!
- Aerodynamic vertical supports minimize air entry turbulence
- May be operated from 0 to 750 FPM face velocity in either air flow direction
- Highest DHC on the market for longer life & reduced total cost of ownership
- Available in MERV 11A, 13A, & 14A



GENERAL

Super-Flow® V Plus extended surface area and low pressure drop minipleat filters are designed for use in most commercial and industrial HVAC systems where medium to high efficiency filtration is required. Super-Flow® V Plus filters are available in MERV ratings ranging from: MERV 11A-14A per ASHRAE Standard 52.2 test methods and 95% DOP. They may be operated at face velocities from 0 to 750 FPM.

CONSTRUCTION

Super-Flow® V Plus filters are constructed of multiple minipleat 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, vertical supports minimize air entry turbulence. Super-Flow® V Plus filters are totally rigid making them ideal for variable air volume (VAV) systems, as well as applications downstream of supply fans.

LOW PRESSURE DROP

Super-Flow® V Plus minipleat filters have an exceptionally low, clean pressure drop unmatched by most any filters of the same efficiency. This affords low fan energy costs during much of the life of the filter system. In addition, they are the filters of choice for packaged air conditioning systems that do not have the fan capacity of larger central systems.

Longer service life means material and labor cost savings and less disruption of systems caused by filter change-out shutdowns. High dust holding capacity is a key benefit of this filter's increased media area.

PHYSICAL DATA

MEDIA: Moisture-resistant synthetic

FILTER PACK: Minipleat panels

MEDIA SUPPORT: Adhesive

TOP & BOTTOM PANELS: Flame-retardant plastic

VERTICAL SUPPORTS: Aerodynamic extruded vertical supports

OPERATING LIMITS: 160°F & 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")

ACTUAL DEPTH: 11-1/2"

INSTALLATION CONSIDERATIONS:

Super-Flow[®] V Plus filters may be installed in Flanders PF-1 Holding Frames, Sureseal Side Access Housings or in similar existing hardware. PF-1 Holding Frames are riveted together to form a filter bank. Smaller systems and systems with minimum upstream access space are best served using Sureseal Side Access Housings.

Super-Flow[®] V Plus filters are furnished with a peripheral header on the air entering side and with foam gaskets on the "H" dimension for the 24 x 24 model and "W" dimension on the 12 x 24 and 20 x 24 models.

Super-Flow [®] V Plus Standard Sizes & Performance Data												
Efficiency	Model Number	Nominal Size (in.)	250 FPM		375 FPM		500 FPM		625 FPM		Media Area (sq. ft.)	Weight Each (lbs.)
		HxWxD	CFM	PD	CFM	PD	CFM	PD	CFM	PD		
95% MERV 14A	SFV95-44_00_00_00_HP	24x24x12	1000	0.10	1500	0.14	2000	0.18	2500	0.22	196	17
95% MERV 14A	SFV95-04_00_00_00_HP	20x24x12	800	0.10	1200	0.14	1600	0.18	2000	0.22	162	13
95% MERV 14A	SFV95-24_00_00_00_HP	12x24x12	500	0.10	750	0.14	1000	0.18	1250	0.22	98	8
85% MERV 13A	SFV85-44_00_00_00_HP	24x24x12	1000	0.07	1500	0.13	2000	0.16	2500	0.22	196	17
85% MERV 13A	SFV85-04_00_00_00_HP	20x24x12	800	0.07	1200	0.13	1600	0.16	2000	0.22	162	13
85% MERV 13A	SFV85-24_00_00_00_HP	12x24x12	500	0.07	750	0.13	1000	0.16	1250	0.22	98	8
65% MERV 11A	SFV65-44_00_00_00_HP	24x24x12	1000	0.05	1500	0.13	2000	0.14	2500	0.18	196	17
65% MERV 11A	SFV65-04_00_00_00_HP	20x24x12	800	0.05	1200	0.13	1600	0.14	2000	0.18	162	13
65% MERV 11A	SFV65-24_00_00_00_HP	12x24x12	500	0.05	750	0.13	1000	0.14	1250	0.18	98	8

Notes:

1. PD represents clean pressure drop in inches w.g. The recommended final pressure drop for all models is 2.0" w.g.
2. Operation down to zero air flow is satisfactory for all models.
3. Efficiency is average and is based on ASHRAE Standard 52.2 test methods for MERV 11A - MERV 14A filters.
Performance value stated may be averages typical of the products listed. Contact factory for actual performance test reports on specific products.
4. Performance tolerances conform to section 7.4 of ARI Standard 850.