REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
-	RELEASED FOR PRODUCTION		

SUPERIOR Filtration Products, LLC

DynaFlow V8 Box and Single Header Filters ~ Air Flow Capacity and Initial Resistance

ASHRAE Efficiency	Filter Size	Actual Dimensions			Airflow Capacity (cfm)	Initial Resistance (Inches of W.G.)	Media Area (Sq. Ft.)
		Height	Width	Depth			
MERV 14	12x24x12	11-1/2	11-1/2	11-1/2	1000	0.267	110
MERV 14	20x24x12	19-1/2	23-1/2		1500	0.267	176
MERV 14	24x24x12	23-1/2	23-1/2		2000	0.267	220
MERV 13	12x24x12	11-1/2	11-1/2		1000	0.245	110
MERV 13	20x24x12	19-1/2	23-1/2		1500	0.245	176
MERV 13	24x24x12	23-1/2	23-1/2		2000	0.245	220
MERV 11	12x24x12	11-1/2	11-1/2		1000	0.232	110
MERV 11	20x24x12	19-1/2	23-1/2		1500	0.232	176
MERV 11	24x24x12	23-1/2	23-1/2		2000	0.232	220
98%	12x24x12	11-1/2	11-1/2	11-1/2"	1000	0.520	110
98%	20x24x12	19-1/2	23-1/2		1500	0.520	176
98%	24x24x12	23-1/2	23-1/2		2000	0.520	220
95%	12x24x12	11-1/2	11-1/2		1000	0.267	110
95%	20x24x12	19-1/2	23-1/2		1500	0.267	176
95%	24x24x12	23-1/2	23-1/2		2000	0.267	220
85%	12x24x12	11-1/2	11-1/2		1000	0.245	110
85%	20x24x12	19-1/2	23-1/2		1500	0.245	176
85%	24x24x12	23-1/2	23-1/2		2000	0.245	220
65%	12x24x12	11-1/2	11-1/2		1000	0.232	110
65%	20x24x12	19-1/2	23-1/2		1500	0.232	176
65%	24x24x12	23-1/2	23-1/2		2000	0.232	220

PERFORMANCE DATA:

- Initial resistance is a measurement of the clean pressure drop on an unused filter. The measurement is in inches of water gauge. The recommended final pressure drop on all models of the DyanFlow V8 filter is 2.0 inches of water gauge.
- All models of the DyanFlow V8 will demonstrate satisfactory performance characteristics in air flows ranging from 0 to 750 feet per minute of linear face velocities.
- All performance characteristics shall conform to section 7.4 of ARI Standard 850
- Listed efficiency ratings are an average and based on ASHRAE Standard 52.1 for all ASHRAE rated (98%, 95%, 85%, and 65%) filters. The values listed may be averages to demonstrate typical performance of the products. Contact the factory for actual performance and test reports for specific products.
- Listed efficiency ratings are an average and based on ASHRAE Standard 52.2 for all LEEDS/MERV rated (MERV 11, 13, and 14) filters. The values listed may be averages to demonstrate typical performance of the products. Contact the factory for actual performance and test reports for specific products.
- DynaFlow V8 filters are available in a hybrid plastic, galvanized, 304 or 316 stainless Frame material. (For example; 99.97% efficient be built with sheet metal frames in either headered or non-headered (box) style frames to accommodate HEPA media).

Physical Data

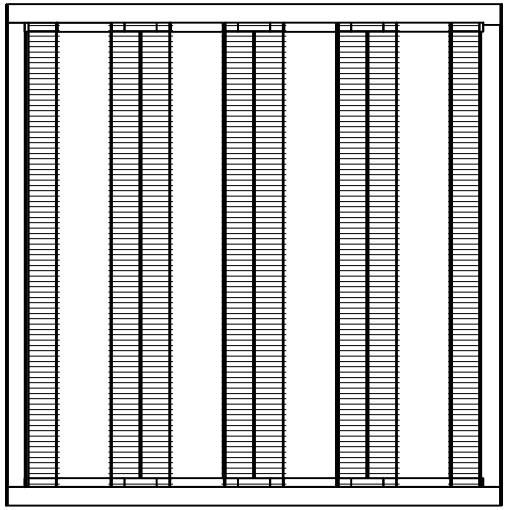
FRAME: DynaFlow V8 standard headered filters are built using an injection molded Plastic. Superior Filtration Products also has the DynaFlow V8 available in 304 & 316 stainless steel, aluminum, and G90 galvanized steel box (header less) and single header frame configurations to accommodate special sizes and conditions.

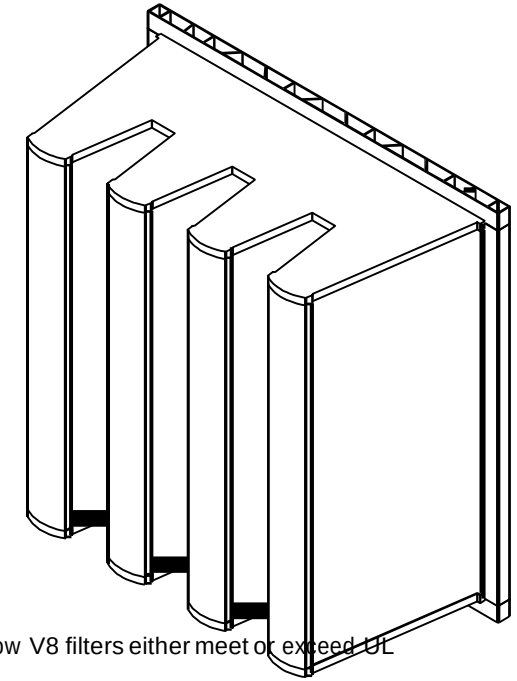
MEDIA: DynaFlow V8 filters are available in moisture-resistant micro fine fiberglass media (See left-hand chart) as well as 99.97% efficient silicate microfiber HEPA filter media. The media used to achieve this pressure drop was Lydall 95% ASHRAE media. Basis weight 70 g/m2. Thickness .38mm. DOP Penetration 38-45 @10.5 fpm 15.33 cmls. 7-8 pleats per inch.

MEDIA SUPPORTS: The DynaFlow V8 extruded plastic media support rails are aerodynamically formed to minimize air entry turbulence. In addition, the mini pleated filter media panels provide rigidity for HVAC systems as well as increasing resistance to turbulent air flow conditions.

AIRFLOW CONDITIONS: DynaFlow V8 filters are rated at 500 FPM, but may be operated at face velocities of 0 to 750 fpm in either flow direction.

ACTUAL DIMENSIONS: DynaFlow V8 filters are sized in nominal dimensions. Actual measurements are 1/2" smaller than the stated or order size.





GENERAL NOTES

- All materials and components in DynaFlow V8 filters either meet or exceed UL Class 2 specifications.
- Superior Filtration Products testing shall be in accordance with Section 6.2 of IEST-RP-CC034.1. All DynaFlow V8 filters will meet or exceed ASHRAE standard 52.1 and 52.2 for ASHRAE rated and MERV rated media respectively.
- Performance values as shown may be averages or estimates to generally represent product styles and models. Contact the factory to obtain values for other media types and efficiency values.
- Superior Filtration Products uses an ongoing research and development model. As such design characteristics, specifications, and performance data may change without notice.

SIZE	DWG. NO.	REV
A	SC17P-SB	-

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