

General

The VP-MERV 8 Pleated filter achieves MERV 8 efficiency with low resistance to airflow per ASHRAE 52.2-2007. Its filtering medium does not rely on electrostatic charge to capture particulate which will dissipate over time and during use.

The VP-MERV 8 Pleated filters can upgrade existing flat panels, as well as competitive MERV 6-7 pleated filters. Filters are available in 1, 2 and 4-inch depths. VP-MERV 8 Pleated filters are available in a wide range of sizes and will fit most commercial and industrial installations with little or no system modification. Fasteners are available to adapt the filter to existing filter banks.

Installation Considerations

VP-MERV 8 Pleated filters are suitable as primary filters and can be installed in PF-1 Frames, K-Trac Framing Modules, Surepleat Side Access Housings and similar existing hardware. They may be used as prefilters for Precision Pak, Super-Flow® V, PrecisionCell and Rigid-Air filters in these frame systems and in Sureseal Side Access Housings.

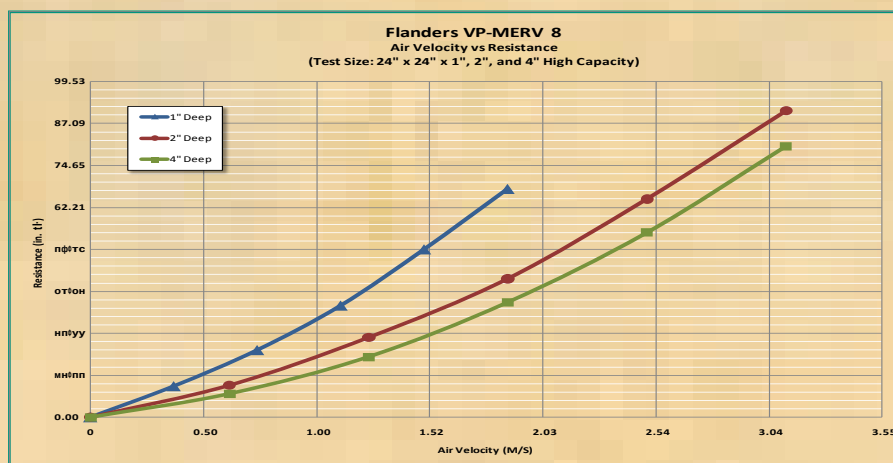
Physical Data

Media: 100% Non-woven synthetic media manufactured from recyclable material

Media Support: Diamond-shaped expanded metal

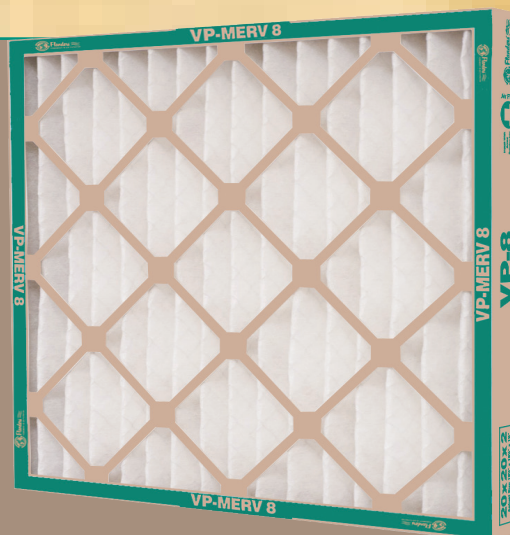
Pleat Design: V-Pleat

Frame: Unbleached, natural Kraft-board



Important Features

- Ecologically advanced filtration medium made from recyclable materials.
- The VP-MERV 8 is available in standard and high capacity air flow.
- Media maximizing V-pleat design.
- Expanded metal grid prevents media flutter while in operation.
- Diagonal and horizontal support members provide frame strength.
- Filter media pack is sealed to eliminate air bypass.
- MERV 8 per ASHRAE 52.2-2007.



Capacities and Dimensions													
Nominal Depth (in.)	Nominal Size WxHxD (in.)	Standard Capacity						High Capacity					
		1.52 M/s		2.54 M/s		Media Area (sq. ft.)	Wt. Each (lbs.)	1.52 M/s		2.54 M/s		Media Area (sq. ft.)	Wt. Each (lbs.)
		L/s	PD	L/s	PD			L/s	PD	L/s	PD		
1"	10x10x1	98	54	163	-	1.1	0.2	98	49	163	-	1.3	0.2
	10x20x1	196	54	327	-	2.3	0.3	196	49	327	-	2.7	0.3
	12x20x1	325	54	393	-	2.7	0.3	325	49	393	-	3.1	0.3
	12x24x1	283	54	471	-	3.2	0.3	283	49	471	-	3.7	0.4
	14x20x1	275	54	972	-	3.3	0.3	275	49	458	-	3.7	0.4
	14x25x1	344	54	458	-	4.1	0.4	344	49	573	-	4.6	0.5
	15x20x1	294	54	491	-	3.5	0.4	294	49	491	-	3.9	0.4
	16x20x1	314	54	524	-	3.7	0.4	314	49	524	-	4.1	0.4
	16x25x1	393	54	655	-	4.6	0.5	393	49	655	-	5.2	0.5
	18x24x1	424	54	707	-	4.9	0.5	424	49	707	-	5.7	0.6
	18x25x1	442	54	737	-	5.2	0.5	442	49	737	-	5.9	0.6
	20x20x1	393	54	655	-	4.5	0.5	393	49	655	-	5.1	0.5
	20x24x1	471	54	786	-	5.4	0.5	471	49	786	-	6.2	0.6
	20x25x1	491	54	819	-	5.7	0.6	491	49	819	-	6.4	0.6
	24x24x1	566	54	943	-	6.4	0.6	566	49	943	-	7.4	0.7
	25x25x1	614	54	1024	-	7.2	0.7	614	49	1024	-	8.3	0.8
2"	10x20x2	196	39	327	74	4.3	0.4	196	29	327	64	6.2	0.5
	12x20x2	235	39	393	74	4.8	0.5	235	29	393	64	7.2	0.5
	12x24x2	283	39	471	74	5.8	0.6	283	29	471	64	8.7	0.6
	14x20x2	275	39	458	74	5.8	0.5	275	29	458	64	8.6	0.6
	14x25x2	344	39	573	74	7.2	0.7	344	29	573	64	10.8	0.8
	15x20x2	294	39	491	74	6.2	0.6	294	29	491	64	9.1	0.7
	16x20x2	314	39	524	74	6.7	0.6	314	29	524	64	9.6	0.7
	16x25x2	393	39	655	74	8.4	0.7	393	29	655	64	12.0	0.9
	18x24x2	424	39	707	74	8.7	0.8	424	29	707	64	13.3	0.9
	18x25x2	442	39	737	74	9.0	0.8	442	29	737	64	13.8	1.0
	20x20x2	393	39	655	74	8.2	0.7	393	29	655	64	12.0	0.9
	20x24x2	471	39	786	74	9.8	0.9	471	29	786	64	14.4	1.0
	20x25x2	491	39	819	74	10.2	0.9	491	29	819	64	15.0	1.1
	24x24x2	566	39	943	74	11.5	1.0	566	29	943	64	17.3	1.2
	25x25x2	614	39	1024	74	12.6	1.1	614	29	1024	64	19.3	1.3
4"	12x24x4	283	27	471	57	11.1	1.0	283	24	471	54	16.5	1.0
	16x20x4	314	27	524	57	12.3	1.0	314	24	524	54	18.0	1.2
	16x25x4	393	27	655	57	15.5	1.3	393	24	655	54	22.6	1.4
	18x24x4	424	27	701	57	17.3	1.4	424	24	701	54	24.2	1.5
	20x20x4	393	27	655	57	15.4	1.3	393	24	655	54	22.3	1.4
	20x24x4	471	27	786	57	18.6	1.5	471	24	786	54	24.0	1.7
	20x25x4	491	27	819	57	19.3	1.6	491	24	819	54	27.7	1.8
	24x24x4	566	27	943	57	22.3	1.8	556	24	943	54	28.8	2.0
	25x29x4	712	27	1187	57	28.4	2.4	712	24	1187	54	28.4	2.7
	28x30x4	825	27	1376	57	33.2	2.8	825	24	1376	54	42.6	3.1

Note: Pressure Drop represents average clean pressure drop in pascals. The recommended final pressure drop for all models is 250 Pascals. System design may dictate a lower change-out point.

Guide Specifications

1.0 General

- 1.1 Medium efficiency filters shall be MERV 8 Pleat extended surface pleated filters manufactured by Flanders.
- 1.2 Filter sizes and capacities shall be as scheduled on the drawings.

2.0 Construction

- 2.1 Filters shall be constructed of reinforced, non-woven synthetic media made from recyclable plastic. Media shall be laminated to an expanded metal grid on the air leaving side and formed into V-configuration pleats.
- 2.2 Frame shall be recyclable, unbleached natural Kraft-board with diagonal and horizontal support members on the upstream and downstream sides, and shall have interlocking corner tabs.

3.0 Performance

- 3.1 Media area must equal or exceed that of the specified filter.
- 3.2 The manufacturer shall guarantee performance as stated in the literature within tolerances as outlined in Section 7 of ARI Standard 850.
- 3.3 The filter shall be MERV 8 by ASHRAE Standard 52.2-2007.

4.0 Performance

- 4.1 Manufacturer shall issue a standard certificate of compliance certifying that the filter meets the materials, components, performance and construction characteristics stated herein.



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