

THE WORLD LEADER IN CLEAN AIR SOLUTIONS

VP-MERV8® HC

(High Capacity)

EXTENDED SURFACE PLEATED PANEL FILTERS

- Low initial resistance and strong Dust Holding Capacity (DHC) for performance and economy
- Ecologically friendly frame components made from recyclable materials
- Expanded metal grid prevents media flutter while in operation
- Diagonal support members and wire-backed media contribute to overall strength of construction
- Filter media pack is bonded to the frame at all points of contact to eliminate air bypass
- MERV 8
- Available in 1", 2" and 4" models

The VP-MERV8 HC pleated filter is a MERV 8 filter with low resistance to airflow. It does not rely on electrostatic charge to capture particulate, achieving a true mechanical MERV 8 rating.

The VP-MERV8 HC filters are an upgrade to existing flat panels, as well as competitive MERV 6–7 pleated filters. Filters are available in 1", 2" and 4" depths. VP-MERV8 HC filters are available in a wide range of sizes and will fit most commercial and industrial installations with little or no system modification.

Superior Design and Construction

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

Media Support: Diamond-shaped expanded metal.

Pleat Design: V-Pleat design aids in pressure drop while reducing energy cost. Design allows for maximum airflow and DHC during the life of the filter.

Frame: Unbleached, natural Kraft-board with moisture inhibitor.

Applications

VP-MERV8 HC filters are designed for general air filtration in all types of cooling, heating, and ventilating systems. They may be used as prefilters to extend the life of higher efficiency filters or on their own. They are suitable for installation in front access holding frames and side access housings. These filters are excellent for upgrading from disposable panel filters, permanent filters, or media pads in metal frames where a higher level of cleaning is desired.



VP-MERV8® HC Filters

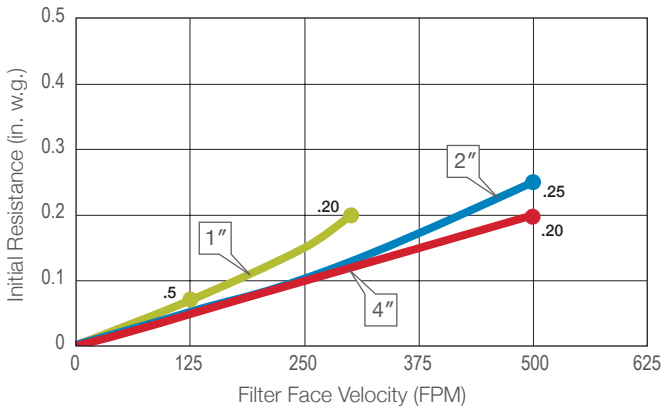
Performance Data

Filter	Pleats Per Linear Foot	Rated Initial Resistance (in. w.g.)		Recommended Final Resistance (in. w.g.)	ASHRAE 52.2 MERV	Continuous Operating Temperature Limits
		300 FPM	500 FPM			
1" VP-MERV8 HC	15	.20	–	1.0	8	180° (82°)
2" VP-MERV8 HC	13	.12	.25	1.0	8	180° (82°)
4" VP-MERV8 HC	13	.10	.20	1.0	8	180° (82°)

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 – VP-MERV8 filters are UL Classified. Testing was performed according to UL Standard 900.

Initial Resistance vs. Filter Face Velocity



Energy savings may be realized by operating the VP-MERV8 HC filters to a lower final resistance. Contact your local AAF Flanders representative for a Total Cost of Ownership analysis for your specific application.

VP-MERV8® is a registered trademark of Flanders Corporation in the U.S.

Product Information – Standard Sizes

Nominal Size (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow (SCFM)			Pleats Per Filter	Gross Media Area (sq. ft.)
		300 FPM	500 FPM	625 FPM		
10 x 10 x 1	9½ x 9½ x ¾	200	350	–	10	1.3
10 x 20 x 1	9½ x 19½ x ¾	400	700	–	10	2.7
12 x 20 x 1	11½ x 19½ x ¾	500	833	–	12	3.1
12 x 24 x 1	11¾ x 23¾ x ¾	600	1000	–	12	3.7
14 x 20 x 1	13½ x 19½ x ¾	583	972	–	15	3.7
14 x 25 x 1	13½ x 24½ x ¾	729	1215	–	15	4.6
15 x 20 x 1	14½ x 19½ x ¾	625	1042	–	16	3.9
16 x 20 x 1	15½ x 19½ x ¾	667	1111	–	17	4.1
16 x 25 x 1	15½ x 24½ x ¾	833	1389	–	17	5.2
18 x 24 x 1	17½ x 23½ x ¾	900	1500	–	19	5.7
18 x 25 x 1	17½ x 24½ x ¾	938	1563	–	19	5.9
20 x 20 x 1	19½ x 19½ x ¾	833	1389	–	21	5.1
20 x 24 x 1	19½ x 23½ x ¾	1000	1667	–	21	6.2
20 x 25 x 1	19½ x 24½ x ¾	1042	1736	–	21	6.4
24 x 24 x 1	23¾ x 23¾ x ¾	1200	2000	–	25	7.4
25 x 25 x 1	24½ x 24½ x ¾	1302	2170	–	26	8.3
10 x 20 x 2	9½ x 19½ x 1¾	400	700	850	10	6.2
12 x 20 x 2	11½ x 19½ x 1¾	500	850	1050	12	7.2
12 x 24 x 2	11¾ x 23¾ x 1¾	600	1000	1250	12	8.7
14 x 20 x 2	13½ x 19½ x 1¾	600	950	1150	15	8.6
14 x 25 x 2	13½ x 24½ x 1¾	750	1200	1500	15	10.8
15 x 20 x 2	14½ x 19½ x 1¾	650	1050	1300	16	9.1
16 x 20 x 2	15½ x 19½ x 1¾	650	1100	1400	17	9.6
16 x 25 x 2	15½ x 24½ x 1¾	850	1400	1750	17	12
18 x 24 x 2	17½ x 23½ x 1¾	900	1500	1900	19	13.3
18 x 25 x 2	17½ x 24½ x 1¾	950	1550	1950	19	13.8
20 x 20 x 2	19½ x 19½ x 1¾	850	1400	1750	21	12
20 x 24 x 2	19½ x 23½ x 1¾	1000	1650	2100	21	14.4
20 x 25 x 2	19½ x 24½ x 1¾	1050	1750	2150	21	15
24 x 24 x 2	23¾ x 23¾ x 1¾	1200	2000	2500	25	17.3
25 x 25 x 2	24½ x 24½ x 1¾	1300	2150	2700	26	19.3
12 x 24 x 4	11¾ x 23¾ x 3¾	600	1000	1250	11	16.5
16 x 20 x 4	15½ x 19½ x 3¾	650	1100	1400	16	18
16 x 25 x 4	15½ x 24½ x 3¾	850	1400	1750	16	22.6
18 x 24 x 4	17½ x 23½ x 3¾	900	1500	1900	18	24.2
20 x 20 x 4	19½ x 19½ x 3¾	850	1400	1750	19	22.3
20 x 24 x 4	19½ x 23½ x 3¾	1000	1650	2100	23	24
20 x 25 x 4	19½ x 24½ x 3¾	1050	1750	2150	19	27.7
24 x 24 x 4	23½ x 23½ x 3¾	1200	2000	2500	23	28.8
25 x 29 x 4	24½ x 28½ x 3¾	1500	2500	3150	28	28.4
28 x 30 x 4	27½ x 29½ x 3¾	1750	2900	–	27	42.6



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AAF Flanders has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

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ISO Certified Firm

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