



Better Air is Our Business®



AmericanAirFilter® PerfectPleat® HD M8

Engineering Data

Supplement to Bulletin AFP-1-201

Product Information — Standard Sizes

Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow Capacity (SCFM)			HD M8 1"		HD M8 2"	
		300 FPM	500 FPM	600 FPM	Pleats Per Filter	Media Area (Sq. Ft.)	Pleats Per Filter	Media Area (Sq. Ft.)
10 x 10 x 1	9½ x 9½ x ¾	200	350		11	1.2		
10 x 20 x 1	9½ x 19½ x ¾	400	700		11	2.4		
12 x 12 x 1	11½ x 11½ x ¾	300	500		14	1.8		
12 x 20 x 1	11½ x 19½ x ¾	500	850		14	3.1		
12 x 24 x 1	11½ x 23½ x ¾	600	1000		14	3.7		
14 x 20 x 1	13½ x 19½ x ¾	600	1000		16	3.6		
14 x 25 x 1	13½ x 24½ x ¾	750	1200		16	4.5		
15 x 20 x 1	14½ x 19½ x ¾	650	1050		17	3.8		
16 x 16 x 1	15½ x 15½ x ¾	550	900		19	3.4		
16 x 20 x 1	15½ x 19½ x ¾	650	1100		19	4.2		
16 x 25 x 1	15½ x 24½ x ¾	850	1400		19	5.3		
18 x 20 x 1	17½ x 19½ x ¾	750	1250		21	4.7		
18 x 24 x 1	17½ x 23½ x ¾	900	1500		21	5.6		
18 x 25 x 1	17½ x 24½ x ¾	950	1550		21	5.9		
20 x 20 x 1	19½ x 19½ x ¾	850	1400		24	5.3		
20 x 25 x 1	19½ x 24½ x ¾	1050	1750		24	6.7		
24 x 24 x 1	23½ x 23½ x ¾	1200	2000		29	7.7		
25 x 25 x 1	24½ x 24½ x ¾	1300	2200		30	8.4		
25 x 35 x 1	24½ x 35½ x ¾	1800	3050		41	11.4		
12 x 20 x 2	11½ x 19½ x 1¾	500	850	1050			14	6.6
12 x 24 x 2	11½ x 23½ x 1¾	600	1000	1250			14	8.0
14 x 25 x 2	13½ x 24½ x 1¾	750	1200	1500			16	9.5
15 x 20 x 2	14½ x 19½ x 1¾	650	1050	1300			17	8.1
16 x 20 x 2	15½ x 19½ x 1¾	650	1100	1400			19	9.0
16 x 24 x 2	15½ x 23½ x 1¾	800	1350	1650			19	10.8
16 x 25 x 2	15½ x 24½ x 1¾	850	1400	1750			19	11.3
18 x 24 x 2	17½ x 23½ x 1¾	900	1500	1900			21	11.9
18 x 25 x 2	17½ x 24½ x 1¾	950	1550	1950			21	12.5
20 x 20 x 2	19½ x 19½ x 1¾	850	1400	1750			24	11.4
20 x 24 x 2	19½ x 23½ x 1¾	1000	1650	2100			24	13.6
20 x 25 x 2	19½ x 24½ x 1¾	1050	1750	2150			24	14.3
24 x 24 x 2	23½ x 23½ x 1¾	1200	2000	2500			29	16.5
25 x 25 x 2	24½ x 24½ x 1¾	1300	2150	2700			30	17.9

PerfectPleat HD M8 filters are UL classified. Testing was performed according to UL Standard 900 and CAN 4-S111.

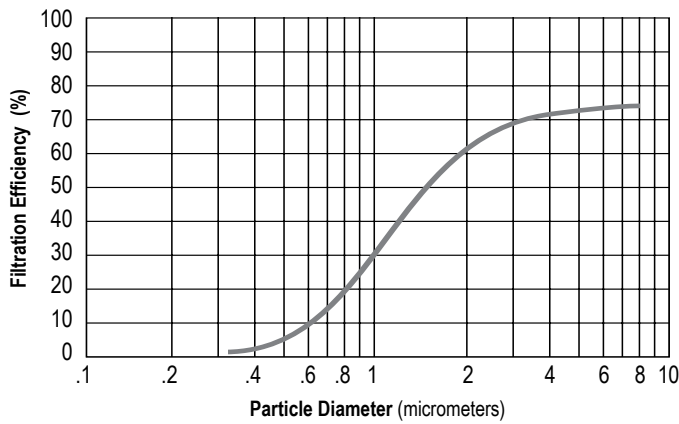
AmericanAirFilter® PerfectPleat® HD M8

Performance Data

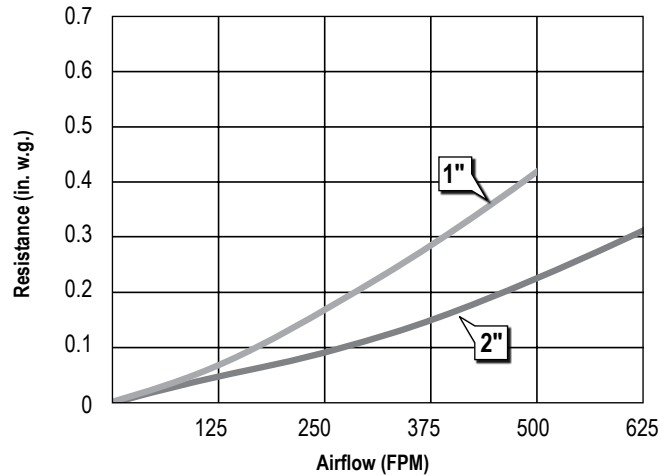
Filter	Pleats Per Lineal Foot	Rated Initial Resistance (in. w.g.)			Recommended Final Resistance (in. w.g.)	ASHRAE 52.2 MERV	Continuous Operating Temperature Limit
		300 FPM	500 FPM	625 FPM			
1" PerfectPleat HD M8	15.0	.23	.42	–	1.0	8	200°F / 93°C
2" PerfectPleat HD M8	15.0	.12	.23	.31	1.0	8	200°F / 93°C

See Brochure AFP-7-210, PerfectPleat HC M8, for 4" heavy-duty design.

Composite Minimum Efficiency
Efficiency vs. Particle Size



Resistance to Airflow



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