



Better Air is Our Business®



AmericanAirFilter®

PerfectPleat® HC 1"

PerfectPleat® 1"

Engineering Data

Supplement to Bulletin AFP-1-200

Product Information — Standard Sizes

Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow Capacity (SCFM)		PerfectPleat HC 1"		PerfectPleat 1"	
		300 FPM	500 FPM	Pleats Per Filter	Media Area (Sq. Ft.)	Pleats Per Filter	Media Area (Sq. Ft.)
10 x 10 x 1	9 1/2 x 9 1/2 x 3/4	200	350	11	1.2	10	1.2
10 x 20 x 1	9 1/2 x 19 1/2 x 3/4	400	700	11	2.5	10	2.4
12 x 12 x 1	11 1/2 x 11 1/2 x 3/4	300	500	14	1.9	12	1.7
12 x 20 x 1	11 1/2 x 19 1/2 x 3/4	500	850	14	3.2	12	2.9
12 x 24 x 1	11 3/8 x 23 3/8 x 3/4	600	1000	14	3.9	12	3.5
14 x 20 x 1	13 1/2 x 19 1/2 x 3/4	600	1000	16	3.7	14	3.4
14 x 25 x 1	13 1/2 x 24 1/2 x 3/4	750	1200	16	4.6	14	4.3
15 x 20 x 1	14 1/2 x 19 1/2 x 3/4	650	1050	17	3.9	15	3.7
16 x 16 x 1	15 1/2 x 15 1/2 x 3/4	550	900	19	3.5	16	3.1
16 x 20 x 1	15 1/2 x 19 1/2 x 3/4	650	1100	19	4.4	16	3.9
16 x 25 x 1	15 1/2 x 24 1/2 x 3/4	850	1400	19	5.5	16	4.9
18 x 20 x 1	17 1/2 x 19 1/2 x 3/4	750	1250	21	4.8	18	4.4
18 x 24 x 1	17 3/8 x 23 3/8 x 3/4	900	1500	21	5.8	18	5.3
18 x 25 x 1	17 1/2 x 24 1/2 x 3/4	950	1550	21	6.1	18	5.5
20 x 20 x 1	19 1/2 x 19 1/2 x 3/4	850	1400	24	5.5	20	4.9
20 x 25 x 1	19 1/2 x 24 1/2 x 3/4	1050	1750	24	6.9	20	6.1
24 x 24 x 1	23 3/8 x 23 3/8 x 3/4	1200	2000	29	8.0	24	7.0
25 x 25 x 1	24 1/2 x 24 1/2 x 3/4	1300	2200	30	8.7	25	7.7

PerfectPleat filters are classified UL Class 2. Testing was performed according to UL Standard 900 and CAN 4-S111.

Performance Data

	Pleats Per Lineal Foot	Rated Initial Resistance (in. w.g.)		Recommended Final Resistance (in. w.g.)	ASHRAE 52.2 MERV	ASHRAE 52.1 Rated Average Efficiency (%)	Continuous Operating Temperature Limits	
		300 FPM	500 FPM				°F	°C
PerfectPleat HC 1"	15.0	.23	.48	1.0	7	25-30	170°	77°
PerfectPleat 1"	12.0	.27	.56	1.0	7	25-30	170°	77°

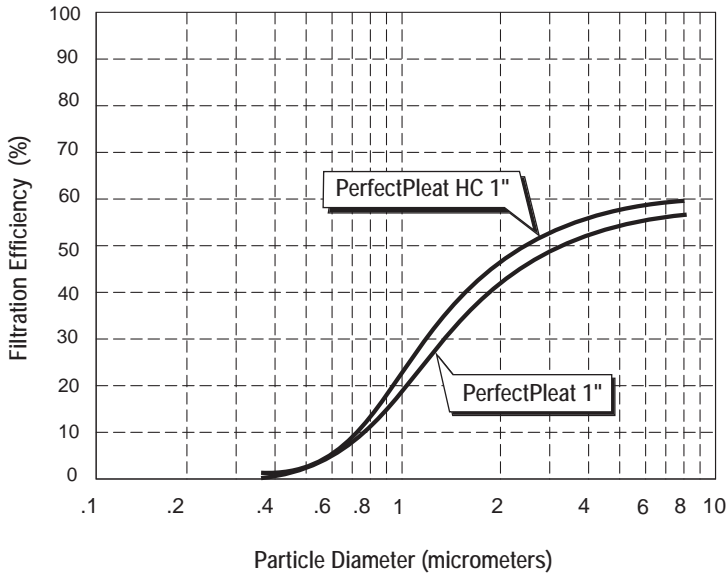
AmericanAirFilter®

PerfectPleat® HC 1"

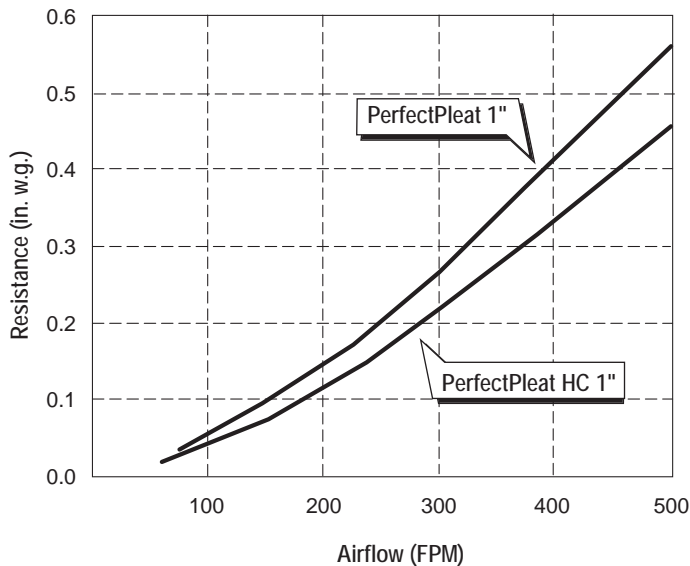
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Performance Data

Composite Minimum Efficiency
Efficiency Vs. Particle Size



Resistance to Airflow



Better Air is Our Business®

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ISO Certified 9001:2000

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

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