



Better Air is Our Business®



AmericanAirFilter® PerfectPleat® SC M8

Engineering Data

Supplement to Bulletin AFP-1-202

Product Information — Standard Sizes

Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow Capacity (SCFM)			SC M8 1"		SC M8 2"		SC M8 4"	
		300 FPM	500 FPM	600 FPM	Pleats Per Filter	Media Area (Sq. Ft.)	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	2.5				
12 x 12 x 1	11½ x 11½ x ¾	300	500		14	1.9				
12 x 20 x 1	11½ x 19½ x ¾	500	850		14	3.2				
12 x 24 x 1	11½ x 23½ x ¾	600	1000		14	3.9				
14 x 20 x 1	13½ x 19½ x ¾	600	1000		16	3.7				
14 x 25 x 1	13½ x 24½ x ¾	750	1200		16	4.6				
15 x 20 x 1	14½ x 19½ x ¾	650	1050		17	3.9				
16 x 16 x 1	15½ x 15½ x ¾	550	900		19	3.5				
16 x 20 x 1	15½ x 19½ x ¾	650	1100		19	4.4				
16 x 25 x 1	15½ x 24½ x ¾	850	1400		19	5.5				
18 x 20 x 1	17½ x 19½ x ¾	750	1250		21	4.8				
18 x 24 x 1	17½ x 23½ x ¾	900	1500		21	5.8				
18 x 25 x 1	17½ x 24½ x ¾	950	1550		21	6.1				
20 x 20 x 1	19½ x 19½ x ¾	850	1400		24	5.5				
20 x 25 x 1	19½ x 24½ x ¾	1050	1750		24	6.9				
24 x 24 x 1	23½ x 23½ x ¾	1200	2000		29	8.0				
25 x 25 x 1	24½ x 24½ x ¾	1300	2200		30	8.7				
10 x 20 x 2	9½ x 19½ x 1¾	400	700	850			8	3.9		
12 x 20 x 2	11½ x 19½ x 1¾	500	850	1050			10	4.9		
12 x 24 x 2	11½ x 23½ x 1¾	600	1000	1250			10	5.9		
14 x 25 x 2	13½ x 24½ x 1¾	750	1200	1500			11	6.8		
15 x 20 x 2	14½ x 19½ x 1¾	650	1050	1300			12	5.9		
15 x 25 x 2	14½ x 24½ x 1¾	800	1300	1650			12	7.4		
16 x 16 x 2	15½ x 15½ x 1¾	550	900	1100			13	5.1		
16 x 20 x 2	15½ x 19½ x 1¾	650	1100	1400			13	6.4		
16 x 24 x 2	15½ x 23½ x 1¾	800	1350	1650			13	7.6		
16 x 25 x 2	15½ x 24½ x 1¾	850	1400	1750			13	8.0		
18 x 25 x 2	17½ x 24½ x 1¾	950	1550	1950			15	9.3		
18 x 24 x 2	17½ x 23½ x 1¾	900	1500	1900			15	8.8		
20 x 20 x 2	19½ x 19½ x 1¾	850	1400	1750			17	8.3		
20 x 24 x 2	19½ x 23½ x 1¾	1000	1650	2100			17	10.0		
20 x 25 x 2	19½ x 24½ x 1¾	1050	1750	2150			17	10.5		
24 x 24 x 2	23½ x 23½ x 1¾	1200	2000	2500			20	11.8		
25 x 25 x 2	24½ x 24½ x 1¾	1300	2150	2700			21	13.0		
12 x 24 x 4	11½ x 23½ x 3¾	600	1000	1250					8	10.4
16 x 20 x 4	15½ x 19½ x 3¾	650	1100	1400					11	11.8
16 x 25 x 4	15½ x 24½ x 3¾	850	1400	1750					11	14.8
18 x 24 x 4	17½ x 23½ x 3¾	900	1500	1875					12	15.6
20 x 20 x 4	19½ x 19½ x 3¾	850	1400	1750					14	15.0
20 x 25 x 4	19½ x 24½ x 3¾	1050	1750	2150					14	18.9
24 x 20 x 4	23½ x 19½ x 3¾	1000	1650	2100					14	18.1
24 x 24 x 4	23½ x 23½ x 3¾	1200	2000	2500					17	22.0
25 x 29 x 4	24½ x 28½ x 3¾	1500	2500	3150					21	28.4

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

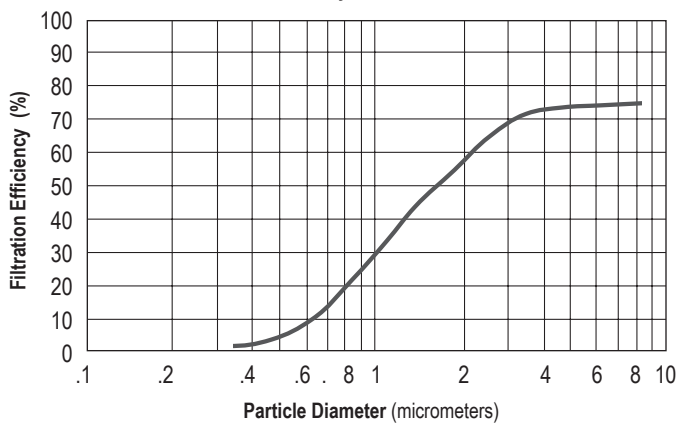
AmericanAirFilter®

PerfectPleat® SC M8

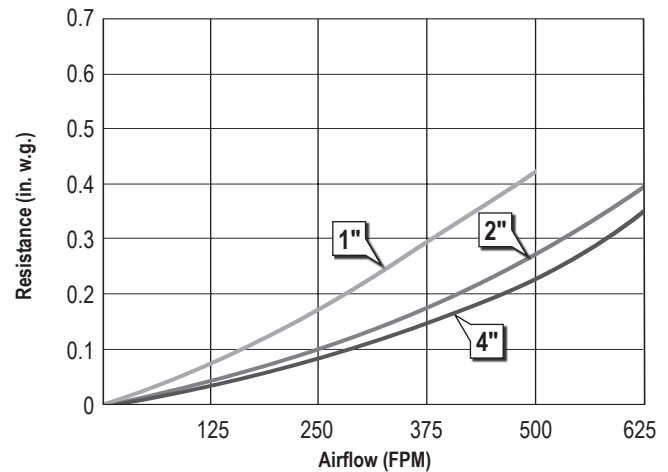
Performance Data

Filter	Pleats Per Lineal Foot	Rated Initial Resistance (in. w.g.)			Recommended Final Resistance (in. w.g.)	ASHRAE 52.2 MERV	Continuous Temperature Limit
		300 FPM	500 FPM	625 FPM			
1" PerfectPleat SC M8	15.0	.23	.42		1.0	8	150°F / 66°C
2" PerfectPleat SC M8	10.0	.13	.27	.39	1.0	8	150°F / 66°C
4" PerfectPleat SC M8	9.0	.11	.23	.35	1.0	8	200°F / 93°C

Composite Minimum Efficiency
Efficiency vs. Particle Size



Resistance to Airflow



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