

THE WORLD LEADER IN CLEAN AIR SOLUTIONS

PerfectPleat® HC M8

EXTENDED SURFACE PLEATED PANEL FILTERS

Engineering Data

Supplement to Bulletin AFP-1-210

Product Information—Standard Sizes

Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow Capacity (SCFM)			HC M8 1"		HC M8 2"		HC 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	11¾ x 23¾ 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	17¾ x 23¾ 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	23¾ x 23¾ 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 1¼	400	700	850			11	5.2		
12 x 20 x 2	11½ x 19½ x 1¼	500	850	1050			14	6.6		
12 x 24 x 2	11¾ x 23¾ x 1¼	600	1000	1250			14	8.0		
14 x 25 x 2	13½ x 24½ x 1¼	750	1200	1500			16	9.5		
15 x 20 x 2	14½ x 19½ x 1¼	650	1050	1300			17	8.1		
15 x 25 x 2	14½ x 24½ x 1¼	800	1300	1650			17	10.1		
16 x 16 x 2	15½ x 15½ x 1¼	550	900	1100			19	7.2		
16 x 20 x 2	15½ x 19½ x 1¼	650	1100	1400			19	9.0		
16 x 24 x 2	15¾ x 23¾ x 1¼	800	1350	1650			19	10.8		
16 x 25 x 2	15½ x 24½ x 1¼	850	1400	1750			19	11.3		
18 x 24 x 2	17¾ x 23¾ x 1¼	900	1500	1900			21	11.9		
18 x 25 x 2	17½ x 24½ x 1¼	950	1550	1950			21	12.5		
20 x 20 x 2	19½ x 19½ x 1¼	850	1400	1750			24	11.4		
20 x 24 x 2	19¾ x 23¾ x 1¼	1000	1650	2100			24	13.6		
20 x 25 x 2	19½ x 24½ x 1¼	1050	1750	2150			24	14.3		
24 x 24 x 2	23¾ x 23¾ x 1¼	1200	2000	2500			29	16.5		
25 x 25 x 2	24½ x 24½ x 1¼	1300	2150	2700			30	17.9		
12 x 24 x 4	11¾ x 23¾ x 3¾	600	1000	1250					10	13.0
16 x 20 x 4	15¾ x 19¾ x 3¾	650	1100	1400					13	13.9
16 x 25 x 4	15¾ x 24¾ x 3¾	850	1400	1750					13	17.5
18 x 24 x 4	17¾ x 23¾ x 3¾	900	1500	1875					15	19.4
20 x 20 x 4	19¾ x 19¾ x 3¾	850	1400	1750					17	18.2
20 x 25 x 4	19¾ x 24¾ x 3¾	1050	1750	2150					17	22.9
24 x 20 x 4	23¾ x 19¾ x 3¾	1000	1650	2100					17	22.0
24 x 24 x 4	23¾ x 23¾ x 3¾	1200	2000	2500					21	27.2
25 x 29 x 4	24¾ x 28¾ x 3¾	1500	2500	3150					26	35.0

PerfectPleat® HC M8 filters are UL Classified. Testing was performed according to UL Standard 900 and ULC-S111.

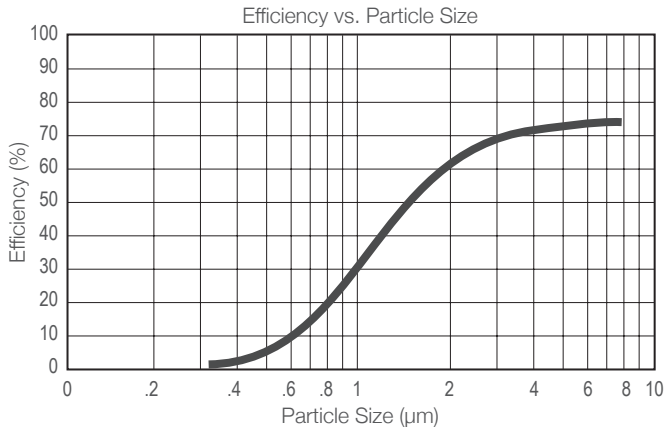
PerfectPleat® HC M8 Filters

Product Information

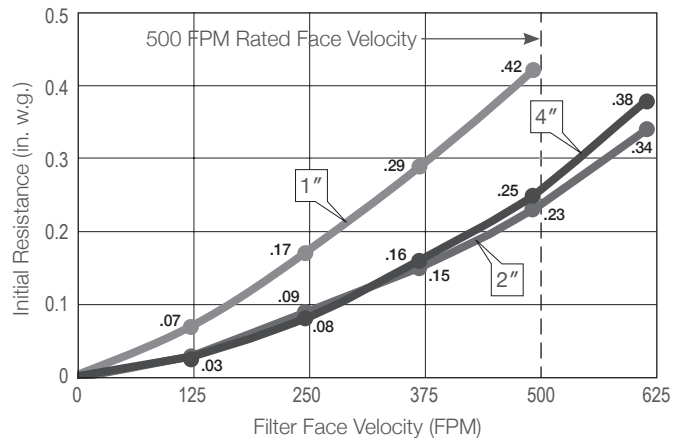
Filter	Pleats Per Linear Foot	Rated Initial Resistance (in. w.g.)			Recommended Final Resistance (in. w.g.)	MERV	Continuous Operating Temperature Limit
		300 FPM	500 FPM	625 FPM			
1" PerfectPleat HC M8	15	.23	.42	–	1.0	8	150°F (66°C)
2" PerfectPleat HC M8	15	.12	.23	.34	1.0	8	150°F (66°C)
4" PerfectPleat HC M8	11	.12	.26	.39	1.0	8	200°F (93°C)

Performance Data

Composite Minimum Efficiency Curve



Initial Resistance vs. Filter Face Velocity



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