



Better Air is Our Business®

AmericanAirFilter®

PerfectPleat® HD M8

Heavy Duty Extended Surface, Pleated Filter with Process-Controlled Quality

- **MERV 8**
- **Mechanical efficiency — does not rely on electret charge technology**
- **Operating temperatures up to 200°F (93°C)**
- **DuraFlex self-supporting media**
- **Support straps, pleat stabilizers, and die-cut frame provide maximum strength**
- **High capacity model designed for applications where higher efficiency and longer life are critical**
- **Available in 1" and 2" depth models (PerfectPleat HC M8 4" filter incorporates heavy-duty design)**



PerfectPleat® HD M8 1" filter air entering side.



PerfectPleat® HD M8 1" filter air leaving side.



PerfectPleat® HD M8 2" filter air leaving side

Design & Construction

The PerfectPleat HD M8 filter is built to withstand more difficult applications, extremely low temperature, and higher airflow. Using AAF's patented PerfectPleat filter as a base, our engineers developed the PerfectPleat HD M8 filter by incorporating maximum structural reinforcement into the PerfectPleat filter's already extremely durable construction. At the heart of the PerfectPleat HD M8 filter is AAF's patented, self supporting DuraFlex media. We retained the support straps and pleat stabilizer assembly characteristic of the innovative PerfectPleat filter media pack. We added a die-cut frame for additional strength and acrylic glue to bond the media pack to the cell sides and give the PerfectPleat HD M8 filter a broader operating temperature range.

DuraFlex® Media

DuraFlex media's unique composition makes it self-supporting. When pleated, DuraFlex media will hold its shape without the wire support characteristic of conventional pleated filters. That means no potential for the formation of rust, and safer handling — no nicks or cuts for the installer. With the superior resiliency of DuraFlex media, and no need for wire support, PerfectPleat HD M8 filters can sustain significant abuse and maintain their shape and pleat spacing. The absence of wire also makes the filter totally incinerable, which can simplify disposal.

Applications

The PerfectPleat HD M8 filter is not intended for standard applications, with normal variations in temperature or airflow. PerfectPleat filters can handle those conditions. The PerfectPleat HD M8 filter is the choice when an application routinely challenges filters with very low temperature (down to -40°F/-40°C) and/or high turbulence. If your application has these characteristics, the PerfectPleat HD M8 filter is the ideal choice.

PerfectPleat® HD M8

Product Information — Standard Sizes

Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow Capacity (SCFM)			Pleats Per Filter PerfectPleat HD M8 1"	Pleats Per Filter PerfectPleat HD M8 2"
		300 FPM	500 FPM	625 FPM		
10 x 10 x 1	9½ x 9½ x ¾	200	350		11	
10 x 20 x 1	9½ x 19½ x ¾	400	700		11	
12 x 12 x 1	11½ x 11½ x ¾	300	500		14	
12 x 20 x 1	11½ x 19½ x ¾	500	850		14	
12 x 24 x 1	11¾ x 23¾ x ¾	600	1000		14	
14 x 20 x 1	13½ x 19½ x ¾	600	1000		16	
14 x 25 x 1	13½ x 24½ x ¾	750	1200		16	
15 x 20 x 1	14½ x 19½ x ¾	650	1050		17	
16 x 16 x 1	15½ x 15½ x ¾	550	900		19	
16 x 20 x 1	15½ x 19½ x ¾	650	1100		19	
16 x 25 x 1	15½ x 24½ x ¾	850	1400		19	
18 x 20 x 1	17½ x 19½ x ¾	750	1250		21	
18 x 24 x 1	17¾ x 23¾ x ¾	900	1500		21	
18 x 25 x 1	17½ x 24½ x ¾	950	1550		21	
20 x 20 x 1	19½ x 19½ x ¾	850	1400		24	
20 x 25 x 1	19½ x 24½ x ¾	1050	1750		24	
24 x 24 x 1	23¾ x 23¾ x ¾	1200	2000		28	
25 x 25 x 1	24½ x 24½ x ¾	1300	2200		30	
25 x 35 x 1	24½ x 35½ x ¾	1800	3050		41	
12 x 20 x 2	11½ x 19½ x 1¾	500	850	1050		14
12 x 24 x 2	11¾ x 23¾ x 1¾	600	1000	1250		14
14 x 25 x 2	13½ x 24½ x 1¾	750	1200	1500		16
15 x 20 x 2	14½ x 19½ x 1¾	650	1050	1300		17
16 x 20 x 2	15½ x 19½ x 1¾	650	1100	1400		19
16 x 24 x 2	15¾ x 23¾ x 1¾	800	1350	1650		19
16 x 25 x 2	15½ x 24½ x 1¾	850	1400	1750		19
18 x 24 x 2	17¾ x 23¾ x 1¾	900	1500	1900		21
18 x 25 x 2	17½ x 24½ x 1¾	950	1550	1950		21
20 x 20 x 2	19½ x 19½ x 1¾	850	1400	1750		24
20 x 24 x 2	19¾ x 23¾ x 1¾	1000	1650	2100		24
20 x 25 x 2	19½ x 24½ x 1¾	1050	1750	2150		24
24 x 24 x 2	23¾ x 23¾ x 1¾	1200	2000	2500		29
25 x 25 x 2	24½ x 24½ x 1¾	1300	2150	2700		30

PerfectPleat HD M8 filters are classified UL Class 2. Testing was performed according to UL Standard 900 and CAN 4-S111.

Performance Data

PerfectPleat Filter	Pleats Per Lineal 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	625 FPM			°F	°C
HD M8 2"	15	.16	.33	0.43	1.0	8	200°	93°
HD M8 1"	15	.31	.62	—	1.0	8	200°	93°

PerfectPleat M8 4" filters use the heavy duty-design. See Brochure AFP-1-206.

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