



Better Air is Our Business®

AmericanAirFilter® Side Access Diffuser

*Part of a Total Systems Approach
to Improved Indoor Air Quality (IAQ)*

*The AAF Side Access Diffuser housing is engineered for
use with air handling units or other side access equipment.*



The Diffuser Concept

The AAF Diffuser is designed to protect downstream components from high velocity airflow patterns. This is accomplished by use of a flattened, expanded metal baffle plate, which tends to distribute the air evenly over the entire filter surface.

Rugged Construction

The Diffuser housing has exceptional structural strength. The housing is constructed of 16 gauge galvanized material as standard with options for 304 stainless steel and aluminized steel. It utilizes 1 $\frac{5}{16}$ " wide flanged, welded construction, vertical supports, and angle braces. The housing is designed to operate at up to 6" w.g. negative or positive pressure.

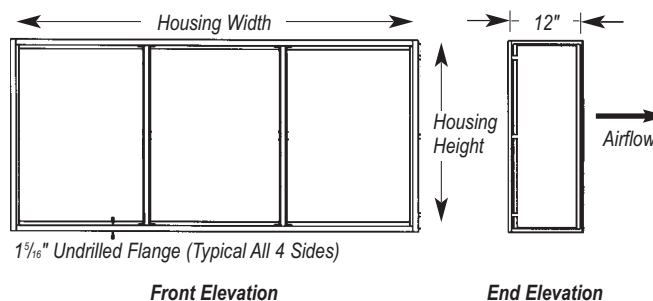
Capabilities (CFM) and Dimensions

Width →							
Height ↓	Designation	1	2	3	4	5	6
	Housing	26 $\frac{7}{8}$ "	49 $\frac{1}{2}$ "	72 $\frac{7}{8}$ "	96 $\frac{1}{4}$ "	119 $\frac{7}{8}$ "	143 $\frac{1}{4}$ "
1	26 $\frac{7}{8}$ "	2,000	4,000	6,000	8,000	10,000	12,000
2	51"	4,000	8,000	12,000	16,000	20,000	24,000
3	75 $\frac{7}{8}$ "	6,000	12,000	18,000	24,000	30,000	36,000
4	99 $\frac{1}{4}$ "	8,000	16,000	24,000	32,000	40,000	48,000

Note: Capacities are based on an airflow velocity of 500 FPM. For capacities based on velocities of 625 FPM increase capacities by a factor of 1.25. **Half size filter housings are available.**

Sizes

The Diffuser housing is offered in 96 sizes, spanning heights from 1' through 8', and widths from 1' through 12'. Capacities range from 1,000 CFM up to 48,000 CFM.



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

ISO Certified Firm

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