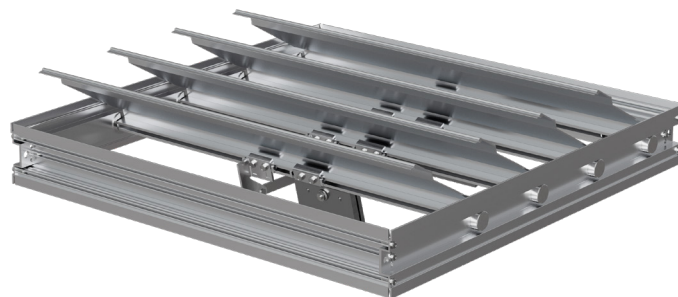
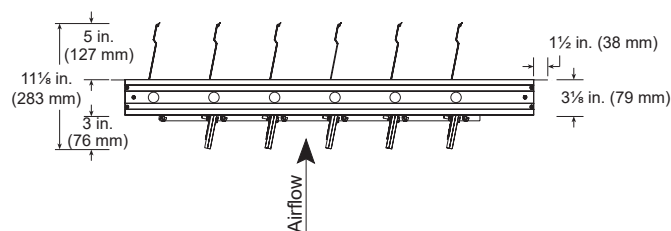


Application

The EMV-11 is a horizontally mounted backdraft damper that is designed to allow vertical airflow up and prevent reverse airflow. The damper is opened by air pressure differential and closed by gravity. Standard models include adjustable counterbalance to assist opening.



*W & H dimensions furnished approximately 1/4 in. (6 mm) undersize.



EMV-11: Flange on Discharge

Ratings

Pressure

Up to 10 in. wg (2.5 kPa) - differential pressure

Velocity

Up to 3,500 fpm (18 m/s)

Temperature

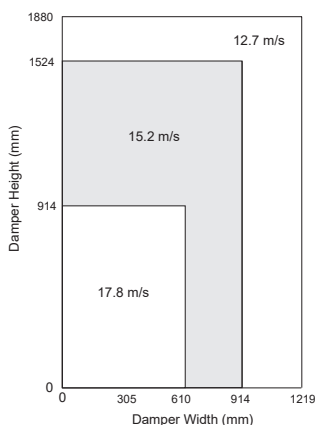
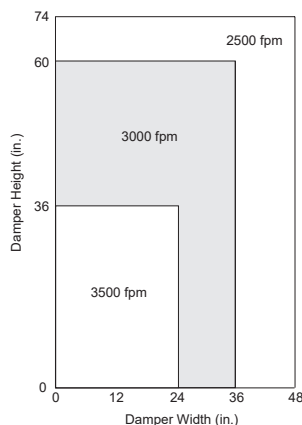
Up to 180°F (82°C)

Construction

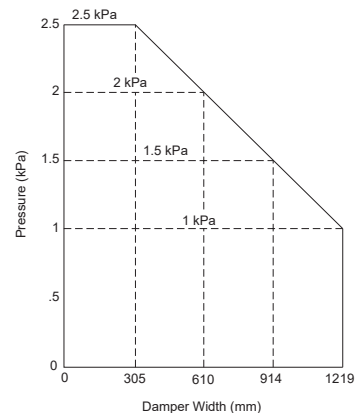
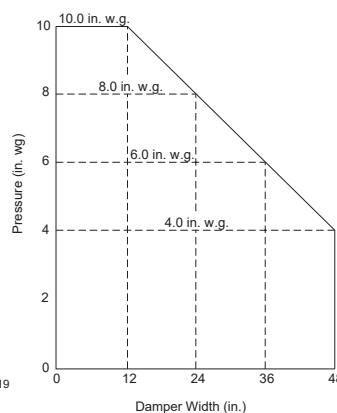
Construction	Standard
Frame Material	6063T5 Extruded Aluminum
Frame Thickness	.125 in. (3.2 mm)
Blade Material	6063T5 Extruded Aluminum
Blade Thickness	.070 in. (1.8 mm)
Axle	316SS
Axle Linkage	316SS
Bearings	Stainless Steel
Blade Seals	Vinyl
Paint Finish	Hi Pro Polyester
Counterbalance Weight Material	Stainless Steel

W x H	Minimum Size	Maximum Single Section Size
Inches	8 x 11	96 x 74
mm	203 x 279	2438 x 1880

Velocity Limitations



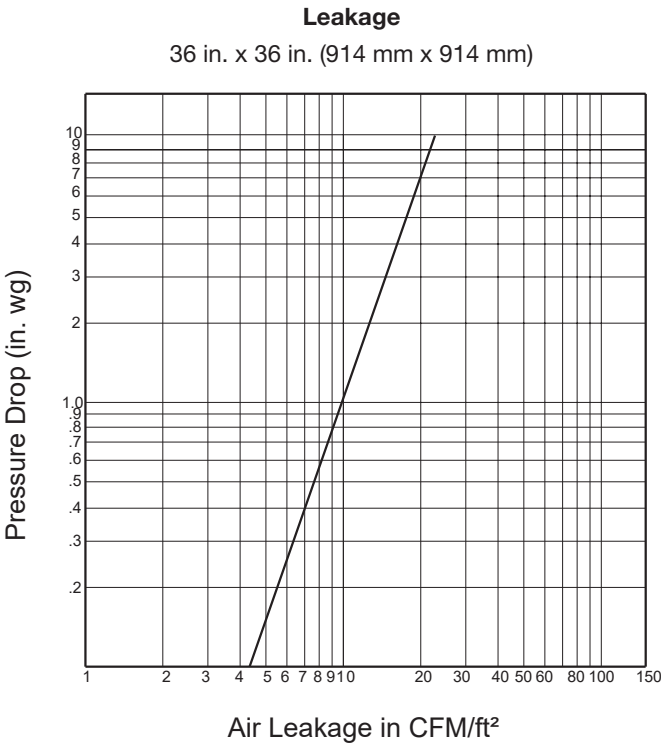
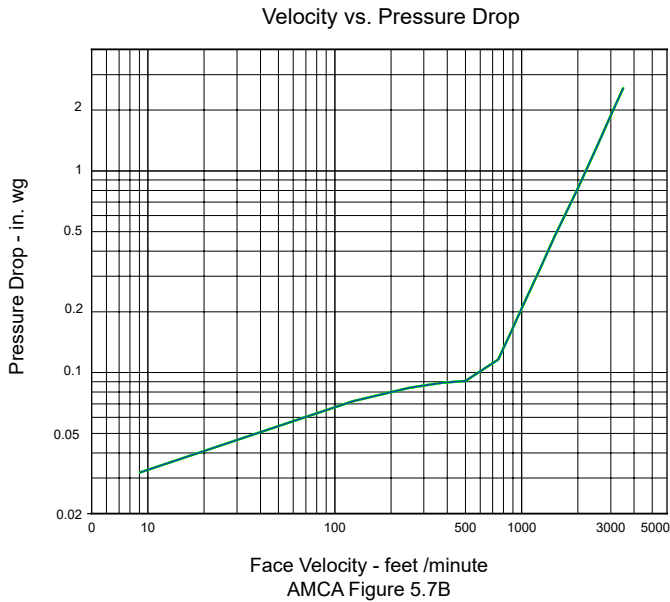
Pressure Limitations



Performance data results from testing a 36 in. x 36 in. (914 mm x 914 mm) damper in accordance with AMCA Standard 500-D using Figure 5.7B. All data has been corrected to represent standard air at 0.075 lb/ft³ (1.201 kg/m³).

Leakage testing was conducted in accordance with AMCA Standard 500D and is expressed as CFM per sq. ft. of damper face area. All data has been corrected to represent standard air at 0.075 lb/ft³ (1.201 kg/m³).

Operational Data		ΔP in. wg (Pa)	Velocity fpm (m/s)
Damper with Standard Bearings	Blades Start to Open	0.05 (12)	55 (.28)
	Blades Fully Open	0.06 (15)	680 (3.5)



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