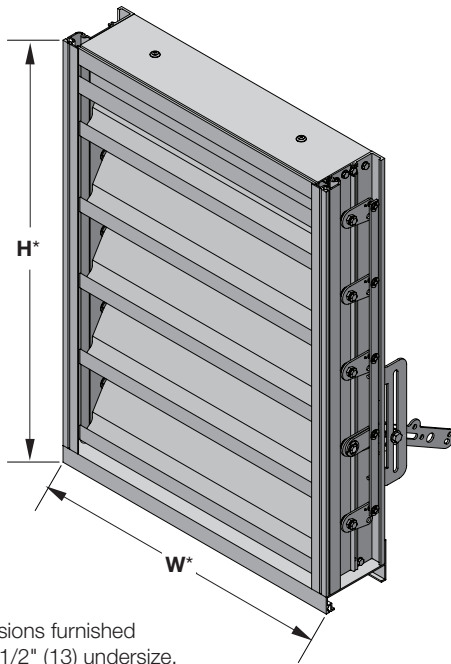




EOD-445

(standard)

*Louver dimensions furnished approximately 1/2" (13) undersize.

Ratings

Free Area: [48" × 48" (1219 × 1219) unit]: 7.8 ft² (0.72 m²)
48.7%

Performance @ Beginning Point of Water Penetration

Free Area Velocity: 855 fpm (4.34 m/s)

Air Volume Delivered: 6,660 cfm (3.14 m³/s)

Pressure Loss: 0.10 in.wg. (24 Pa)

Velocity @ 0.15 in.wg. Pressure Loss: 1,064 fpm (5.40 m/s)

Design Load: 30 psf

The EOD-445 louver features operable drainable blades that provide positive airflow shutoff when closed and protection against water penetration when open. The EOD-445 is available in a wide array of anodized and painted finishes including custom color matching. These units are also available with a variety of factory mounted electric or pneumatic actuators.

Standard Construction

Material: Mill finish 6063-T5 extruded aluminum

Frame: 4" deep × 0.081" thick (102 × 2) channel

Blades: 45° × 0.081" (2) thick operable drainable style

Screen: 5/8" × 0.050" (15.9 × 1.3) expanded and flattened aluminum

Axles: 1/2"(13) diameter plated steel hex

Low Leakage Seals: TPV blade edge and flexible metal jamb

Linkage: Concealed in frame

Bearings: Synthetic

Mullion: Visible

Minimum Size: 12" × 12" (305 × 305)

Maximum Size: Single section:
48" × 96" (1219 × 2436) with low leakage seals
60" × 96" (1524 × 2436) without low leakage seals

Multiple section: Unlimited

Options

■ Factory finish:

- High Performance Fluoropolymer
- Prime Coat
- Baked Enamel
- Clear Anodize
- Integral Color Anodize

■ Frame Options:

- 1-1/2" (38) flange frame
- Custom size flange
- Stucco flange
- Glazing frame

■ Installation Hardware

- Clip angles
- Continuous angles

■ Welded construction

■ Alternate bird or insect screens

■ Insulated or non-insulated blank-off panels

■ Filter racks

■ Hinged frame

■ Subframe

■ Head and/or sill flashing

■ Burglar bars

■ Frame closure

■ Net OD (actual size)

■ Factory mounted electric or pneumatic actuator

■ Sleeve (galvanized steel):

- 20-GA
- 16-GA



NOTE: Dimensions in parentheses () are millimeters.
Information is subject to change without notice or obligation.

PERFORMANCE

EOD-445

Extruded Aluminum Louver
4" deep • 45° Operable Drainable Blade

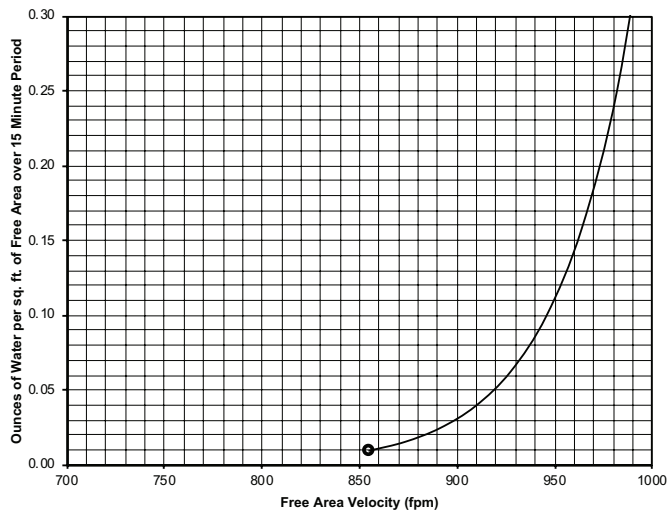
Free Area (ft²)

		Width (Inches)								
		12	18	24	30	36	42	48	54	60
Height (Inches)	12	0.3	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.6
	18	0.5	0.9	1.2	1.5	1.8	2.1	2.5	2.8	3.1
	24	0.7	1.1	1.6	2.0	2.4	2.8	3.3	3.7	4.1
	30	1.0	1.6	2.2	2.8	3.4	3.9	4.5	5.1	5.7
	36	1.2	2.0	2.7	3.5	4.2	5.0	5.7	6.5	7.2
	42	1.4	2.3	3.1	4.0	4.8	5.7	6.5	7.4	8.2
	48	1.7	2.7	3.7	4.7	5.8	6.8	7.8	8.8	9.8
	54	1.9	3.1	4.3	5.5	6.6	7.8	9.0	10.1	11.3
	60	2.1	3.4	4.7	5.9	7.2	8.5	9.8	11.0	12.3
	66	2.4	3.8	5.3	6.7	8.2	9.6	11.0	12.5	13.9
	72	2.7	4.2	5.8	7.4	9.0	10.6	12.2	13.8	15.4
	78	2.8	4.5	6.2	7.9	9.6	11.3	13.0	14.7	16.4
	84	3.1	5.0	6.8	8.7	10.6	12.4	14.3	16.2	18.0
	90	3.4	5.4	7.4	9.4	11.4	13.4	15.5	17.5	19.5
	96	3.5	5.7	7.8	9.9	12.0	14.1	16.3	18.4	20.5

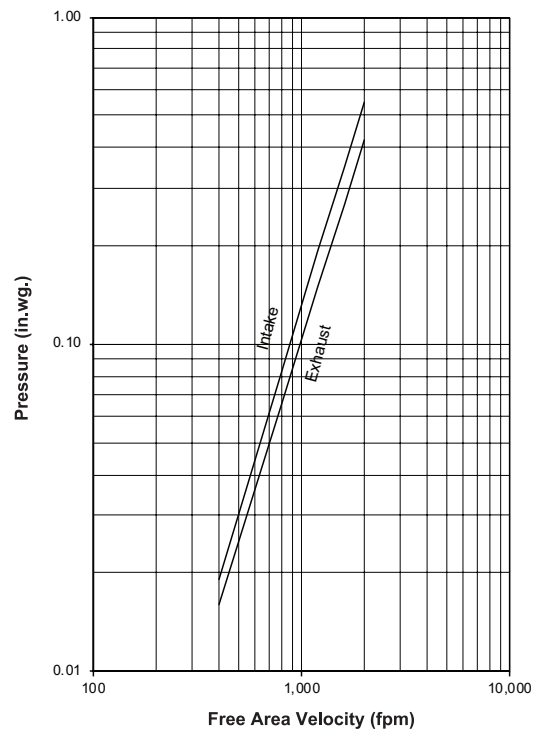
Water Penetration

AMCA defines the beginning point of water penetration as the free area velocity at the intersection of a simple linear regression of test data and the line of 0.01 ounces of water per square foot of free area measured through a 48" x 48" louver during a 15 minute period. The AMCA water penetration test provides a method for comparing louver models and designs as to their efficiency in resisting the penetration of rainfall under specific lab conditions. We recommend that intake louvers are selected with a reasonable margin of safety below the beginning point of water penetration in order to avoid unwanted penetration during severe storm conditions.

Beginning Point of Water Penetration = 855 fpm

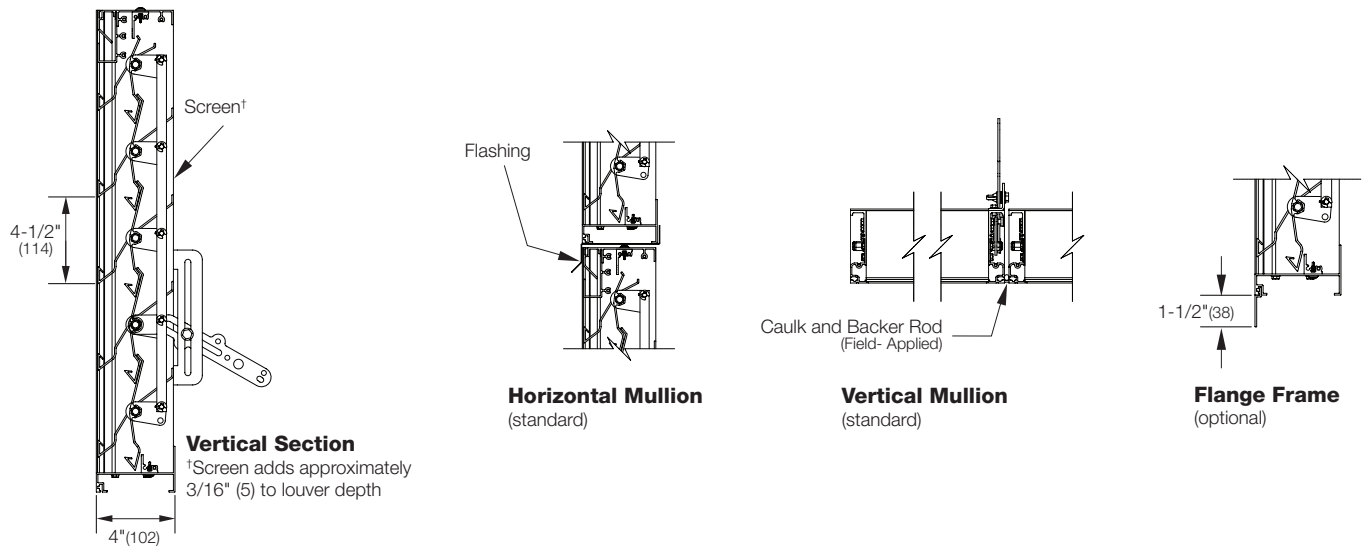


Pressure Loss



Louver Test Size = 48" x 48" (1219 x 1219)
Pressure loss tested in accordance with Figure 5.5 of AMCA Standard 500-L. Data corrected to standard air density.

Attributes



Supplemental Options

