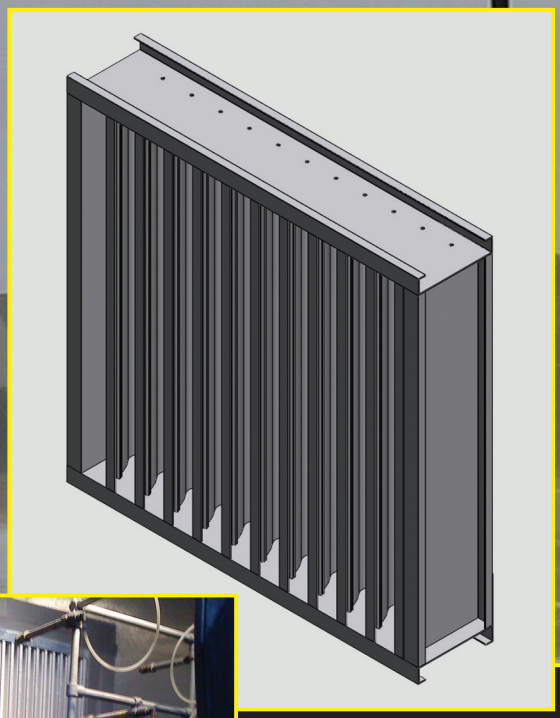
POTTORFF®

Wind-Driven Rain Solution

Model ECV-545 Louver



At 50 mph (wind class A) with 8 in/hr rainfall the effectiveness ratio is 99.6%.

At 29 mph (wind class A) with 3 in/hr rainfall the effectiveness ratio is 99.9%.

5 year warranty all products

amca CERTIFIED RATINGS — WATER PENETRATION, AIR PERFORMANCE, WIND DRIVEN RAIN — AIR MOVEMENT AND CONTROL ASSOCIATION INTERNATIONAL, INC. — www.amca.org

The ECV-545 at the AMCA testing labs.

The ECV-545 offers exceptional protection against wind-driven rain under the most severe conditions and is ideally suited for high wind areas or applications that are sensitive to wind-driven rain penetration.

The ECV-545 incorporates vertical blades and is available in a wide array of anodized and painted finishes including custom color matching.

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Visit www.pottorff.com for more information about this model.

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model ECV-545 Data Sheet

Application

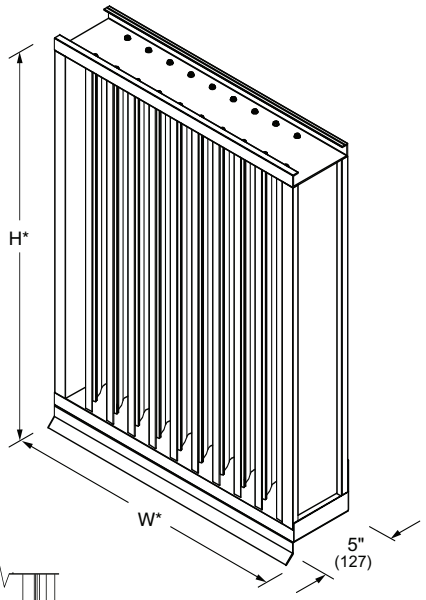
The ECV-545 offers exceptional protection against wind-driven rain under the most severe conditions and is ideally suited for high wind areas or applications that are sensitive to wind-driven rain penetration. The ECV-545 incorporates vertical blades and is available in a wide array of anodized and painted finishes including custom color matching.

Ratings

Free Area: [48" x 48" (1222 x 1222) unit]: 6.7ft² (0.62 m²) 41.9%

Performance @ Beginning Point of Water Penetration
Free Area Velocity: 1,250 fpm (6.35 m/s) **Air Volume Delivered:** 8,375 cfm (4.0 m³/s)
Pressure Loss: 0.25 in.wg. (62 Pa)

Velocity @ 0.15 in.wg. Pressure Loss: 960 fpm (4.8 m/s) **Design Load:** 30 psf



Standard Construction

Material: Mill finish 6063-T5 extruded aluminum.

Frame: 5" deep x 0.081" thick (127 x 2) channel.

Blades: 45° x 0.081" (2) thick vertical style.

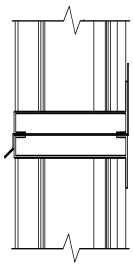
Screen: ½" x 0.063" (12.7 x 1.6) expanded and flattened aluminum.

Mullion: Visible.

Minimum Size: 12" x 12" (305 x 305)

Maximum Size: Single section: 60" x 120" (1524 x 3048), 120" x 60" (3048 x 1524)
Multiple section: Unlimited

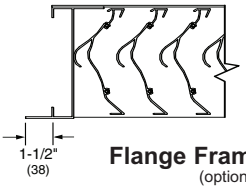
Sill Flashing: 4¼" x 0.063" (108 x 1.6) - closed end.



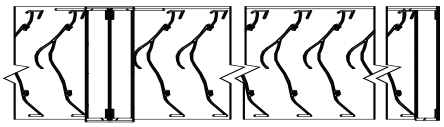
Horizontal Mullion
(standard)

Options

- ☐ Factory finish:
  - ☐ High Performance Fluoropolymer - 100% resin Newlar®/70% resin Kynar®
  - ☐ Baked Enamel
  - ☐ Clear or Color Anodized, Class 1
  - ☐ Prime Coat
- ☐ 1½" (38) flange frame.
- ☐ Welded construction.
- ☐ Alternate bird or insect screens.
- ☐ Insulated or non-insulated blank-off panels.
- ☐ Filter racks.
- ☐ Hinged frame.
- ☐ Head flashing.



Flange Frame
(optional)



Vertical Mullion
(standard)

Wind Driven Rain Performance - AMCA 500-L Wind Driven Rain Test

Test Louver Core Area$_1$ is 39⅜" × 39⅜". Louver tested with sill flashing.

Model	Wind Velocity	Rainfall	Airflow	Core Velocity	Effectiveness Ratio	Wind Class$_2$	Discharge Class$_3$
ECV-545	50 mph	8 in/hr	9485 cfm	881 fpm	99.6%	A	2*
	29 mph	3 in/hr	7356 cfm	683 fpm	99.9%	A	2*

Wind Driven Rain, Class	Effectiveness	Discharge Loss, Class	Coefficient
A	1.000 to 0.99	1	0.4 to 1.000
B	0.989 to 0.95	2	0.3 to 0.399
C	0.949 to 0.80	3	0.2 to 0.299
D	0.799 to 0.00	4	0.0 to 0.199

NOTES 1. Core area is the open area of the louver face (face area less louver frames). **2.** Wind Driven Rain Penetration Classes. **3.** Discharge Loss Coefficient is calculated by dividing the louvers' actual airflow rate by the theoretical airflow rate for an unobstructed opening. The higher the coefficient, the lower the resistance to air flow. *Intake only. Class 3 for exhaust.

*Damper dimensions furnished approximately 1/8" (3) undersize.

Information is subject to change without notice or obligation.

NOTE: Dimensions in parentheses ( ) are millimeters.