

MatrixVent™ Natural Ventilator



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MatrixVent™ Natural Ventilator

MatrixVent Product Details

PRODUCT DESCRIPTION

The MatrixVent is a light natural ventilator designed for industries with a moderate to high heat load. It has aerodynamically designed louvers & baffles to provide continuous weatherproof ventilation. Rainwater is collected within the ventilator and drained away via side channels to keep the opening free from water entry. Its aluminum construction and low-profile design reduce loading impact to the building. Additionally, its compact design makes it suitable for ridge mount, slope mount, or flat roof mounting conditions.

STANDARD FEATURES

- Aluminum Construction
- Lightweight
- Low profile
- Assemble In-Place
- Compact shipping
- Designed to integrate into standing seam roofs
- 100% self-supported

OPTIONAL FEATURES

- Paint to color match in various material coatings
- Optional materials of construction available
- Bird Screen
- Damper (manual or motorized)
- Ships Fully Assembled

PRODUCT BENEFITS

- Continuous weatherproof ventilation, guarantees proper performance and weather tightness.
- Low-profile and low wind-load
- Minimal impact to building, limited structural work necessary
- Uses no energy
- Requires no maintenance
- Zero operational cost
- Silent operation
- Long life span
- Architecturally pleasing

INDUSTRY APPLICATIONS

- Aluminum industry
- Automotive Plants
- Brick & Tile
- Foundries & Forging
- Glass & Glass Products
- Heavy Manufacturing
- Paper Stock
- Paperboard products
- Process industry
- Power stations
- Rolling mills
- Specialty Chemicals
- Storage area
- Steel industry
- Welding facilities
- Warehouses
- Waste incinerators
- + Others

Model	Throat Width	Vent Length	Weight (lb/ft ²)
MATRIX	10'-6"	10' – 1,000'+	3.5 lbs/ft ² to 4.5 lbs/ft ²

MatrixVent™ Natural Ventilator

MatrixVent Mounting Configurations

The MatrixVent can be installed directly onto the roof with the standard base support or onto a custom curb to accommodate membrane roofs or extreme roof slopes. It can also be installed onto flat roofs, sloped roofs, pitched roofs, and more.



MatrixVent installed downslope, blades parallel to peak.



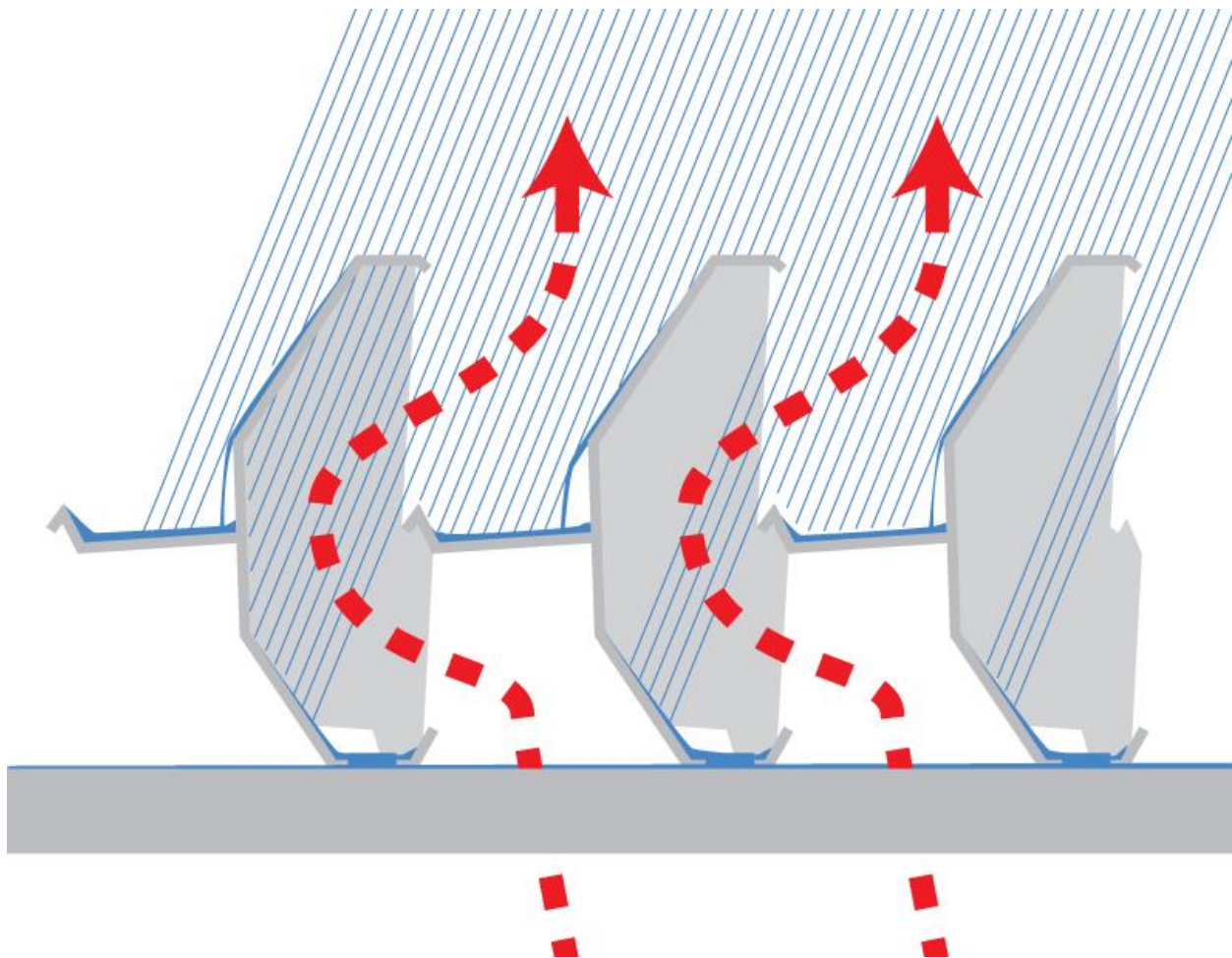
MatrixVent installed at peak, blades perpendicular to peak



MatrixVent installed onto curb on membrane roof

MatrixVent Air Flow & Drainage Diagram

MatrixVent is a natural ventilation unit, developed to provide continuous, rainproof ventilation. The base of the unit houses a system of louvers that have been fitted such that the channels are formed to catch the rainwater. The rainwater then drains to the roof via two channels.



MatrixVent Natural Light

An added benefit of installing the MatrixVent for natural ventilation is that it is also a highly effective natural light source.



Light from a non-MatrixVent unit
BEFORE



Light from a MatrixVent unit
AFTER

MatrixVent™ Natural Ventilator

MatrixVent Assembly Roof or Ground

Due to the lightweight construction and relative quickness of assembly the MatrixVent can be assembled either in place on a roof or on the ground and later hoisted up.



Ground assembly followed by lifting and roof installation



MatrixVent assembled directly on the roof of the facility