

E-VENT VENTILATION

Commercial E-Vent

Smart Ventilation, Naturally.



What is a Commercial E-Vent?

The E-Vent is CMI's innovative natural ventilation system, designed specifically for industrial and commercial buildings with metal roofing. Available in both rolled ridge and straight ridge vent options, the E-Vent efficiently expels hot air and noxious gases—naturally.

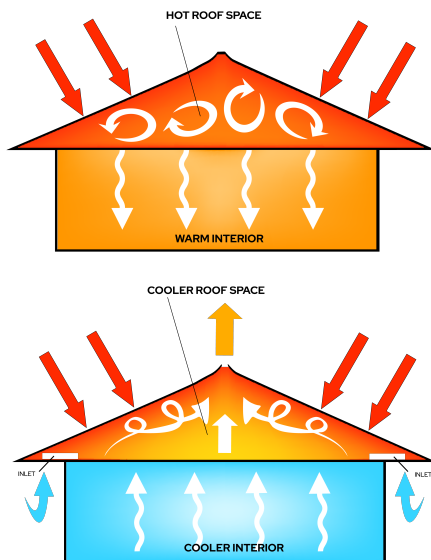
Harnessing the combined forces of the Venturi Effect (air pressure differential) and Stack Effect (natural convection), the E-Vent delivers a reliable, energy-free solution to common ventilation issues faced by industrial facilities.

Whether you're combating trapped heat, fumes, or poor airflow, the E-Vent provides an environmentally friendly, highly effective, and low-maintenance option tailored to modern building needs.

Engineered for Performance and Flexibility

Our E-Vents are designed to suit a wide range of applications. For convenience, standard throat sizes up to 300mm are supplied fully assembled and ready to install.

If you require something bigger, custom ridge vents with throats over 450mm can be manufactured on request. Every unassembled unit comes complete with clear step-by-step instructions, ensuring installation is straightforward and hassle-free.



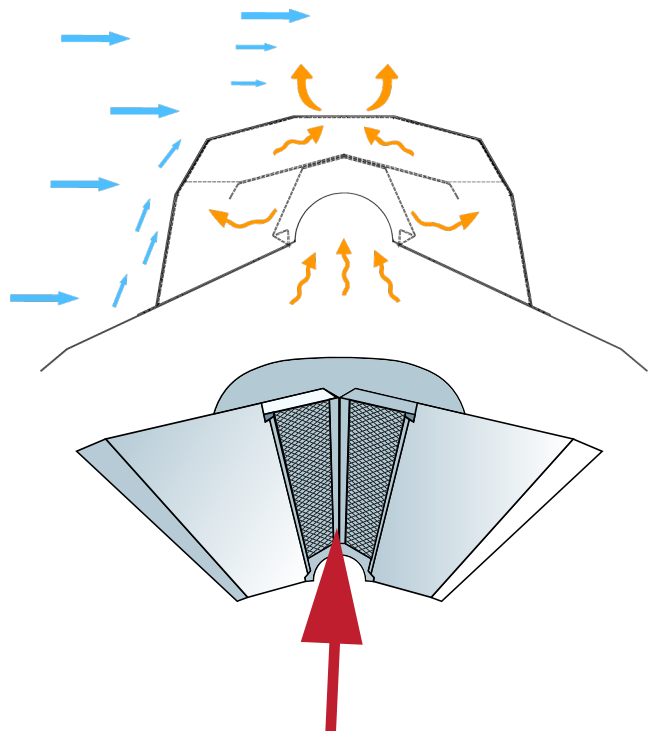
How E-Vent Works

The E-Vent harnesses natural airflow principles first defined by Bernoulli and Venturi, creating powerful, continuous ventilation without electricity, moving parts, or ongoing costs.

Venturi Effect – As wind moves across the E-Vent, it accelerates over the vent openings, creating a low-pressure zone. This naturally draws hot, stale, or contaminated air out of the building. Even light winds can generate a strong extraction flow.

Stack Effect – On calm days, warm air inside naturally rises due to convection and escapes through the E-Vent, while cooler, fresher air is drawn in through inlets below.

Together, these effects work 24/7, in all weather conditions, to regulate temperature, control humidity, remove fumes and odours, and improve overall indoor air quality—without the need for fans, motors, or power consumption.



Warm air rises due to stack effect

Wind accelerates across E-Vent opening, extracting warm roof space air due to venturi effect



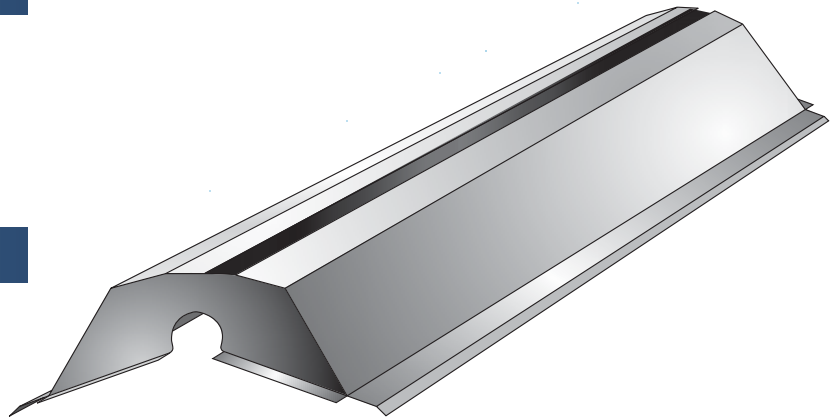
Why Choose E-Vent™?

Improve Indoor Air Quality

E-Vent naturally lowers roof space temperatures, eliminates trapped heat, smoke, odours, and airborne contaminants, and ensures consistent airflow with minimal wind. The result is a safer, more comfortable indoor environment.

Minimal Leadtimes

Manufactured with CMI's advanced digital technology, E-Vents are available with reduced lead times and can be installed during the initial roof construction. This means less additional labour, fewer delays, and a smoother project timeline.



Simple to Design & Order

All technical specifications, diagrams, and support are right at your fingertips—backed by expert advice from CMI's experienced team.

Cost-Effective & Competitive

Thanks to CMI's in-house production, you'll benefit from lower costs without sacrificing quality. E-Vent delivers premium performance at a price that suits your budget.

Durable, Long-Lasting Quality

Every E-Vent is manufactured in-house by CMI, fully quality-controlled, and ISO 9001 accredited. Available in a wide range of BlueScope® steel finishes, including COLORBOND®, COLORBOND® Ultra and ZINCALUME®.



Applications

E-Vent is ideal for commercial and industrial settings, including ridgeline's, flat roofs and kitchens, bathrooms, wet areas, fire and smoke relief systems, warehouses, factories, transport depots, and more.

Additional Benefits

E-Vent is easy to install, has zero operating costs, reduces condensation, and is resistant to leaves, pests, and rain. Each unit is custom-made to suit your project and is fully compliant with Australian building codes. Built from corrosion-resistant materials, E-Vent is engineered to last.

Our Locations:

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COMBINED METAL INDUSTRIES



INNOVATORS
IN STEEL

Colorbond®

