

Wind Driven Ventilation

Energy free comfort for a
fresher, healthier home



We are a leader in wind driven, smart and hybrid ventilation systems.

As a division of CSR Limited, one of Australia's most respected public companies, Bradford Ventilation prides itself on having the highest quality products. Researching and manufacturing ventilation products for over 80 years, Bradford has built up an extensive array of technical expertise and is a leading manufacturer of home and commercial ventilation products in Australia. The range stretches across roof mounted, living area and under floor ventilation as well as a range of skylights. All designed to improve the comfort, health and energy efficiency of Australian homes.

Benefits of Ventilation



Heat reduction
Heat builds up in your roof space in summer, at times reaching 70°C. Roof ventilation removes the heat replacing it with cooler ambient air. This helps your insulation work more effectively and reduces the load on your air conditioning.



Bradford wind driven ventilators are tested for performance to the guidelines set out in AS/NZS 4740.



Air quality
There's nothing like a breath of fresh air, but many homes aren't designed to allow fresh air to circulate easily. Bradford roof and sub floor vents, ceiling grilles, and air transfer systems help to encourage fresh air into areas of your home where it's most beneficial.



Wind Driven Ventilation

From aluminium and plastic based roof mounted models to compact versions for vehicles, Bradford wind driven ventilators don't need electricity to operate. The free energy of the wind is used to quietly and efficiently remove hot, stale or damp air, before it becomes a problem.



Bradford Ventilation is a proud partner with Sensitive Choice®, improving the quality of life for those with asthma and allergies.



Why ventilate?

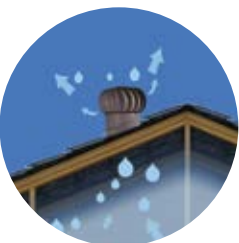
Effective ventilation is an important way to create a more comfortable, healthier and energy efficient home. Removing the heat in summer, managing condensation, and encouraging fresh air into your home will create a better living environment for your family.



Protect your family

By removing hot stale air from your roof space in summer you effectively reduce temperatures inside your home. This creates a fresher, healthier environment for your family to enjoy and by reducing the load on your air conditioning you reduce the cost of running it for long periods.

A more moderate roof space temperature also helps minimise the effects of mould on allergy and asthma sufferers.



Protect your home

Continuous ventilation of the roof space helps prevent the formation of excess condensation that could damage roof timbers and plasterboard ceilings. Removing condensation also reduces the corrosion of metal coverings and appliances. Ventilation helps maintain the performance of your ceiling insulation to keep you more comfortable throughout the year.

Roof Ventilation

WindMaster™

WindMaster is a wind driven turbine ventilator designed to exhaust heat and condensation from the roof space of a home, without the use of electrical energy. Constructed from high quality light-weight aluminium, with a 300mm opening, the head turns easily in light winds.



Suitable for metal or tiled roofs

Two Polyeave vents are recommended for each WindMaster for improved air flow

Features:

- High quality, light-weight aluminium
- Removes heat in summer
- Reduces condensation in the cooler months
- 15 year warranty

Benefits:

- The ventilator will turn in light winds
- Provides comfort in your home for your family
- Protects your roof from costly damage
- Peace of mind

WindMaster Cyclone Rated (Deemed to Comply)

The Cyclone Rated WindMaster is Deemed to Comply for cyclone region C in Northern Queensland, the Northern Territory (Darwin), and North Western Australia.

Refer to <http://www.ntlis.nt.gov.au/deemedtocomply/> for more information and installation instructions for the Darwin area.

Bush fire compliant up to BAL 29

WindMaster is compliant with the fire rating requirements of AS 3959-2009 up to BAL 29 when installed with a SparkGuard. Contact Bradford or visit bradfordventilation.com.au for more information.

Suggested placement for WindMaster and SupaVent.

The number of vents you require depends on your building size and shape.

SupaVent™

SupaVent is ideal for tiled roofs as it only needs one tile to be removed for installation. The light-weight, UV and temperature stable plastic head, with a 250mm opening and stainless steel bearings provide a good alternative to WindMaster and make SupaVent ideal for homes close to salt spray.



Suitable for metal or tiled roofs

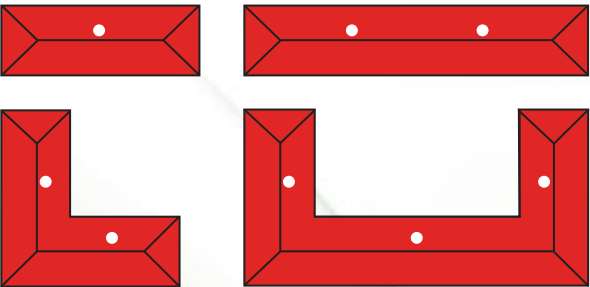
Two Polyeave vents are recommended for each SupaVent for improved air flow

Features:

- High quality, UV & temperature stable plastic
- Removes heat in summer
- Reduces condensation in the cooler months
- Stainless steel ball bearings
- 15 year warranty

Benefits:

- Designed to withstand Australia's harsh conditions
- Provides comfort in your home for your family
- Protects your roof from costly damage
- Suitable for coastal areas
- Peace of mind



Recommended ventilation levels

If your roof is a regular shape, one vent is sufficient for around 10 squares (90m²)

Building squares	m ²	No. of vents
<10	<90	1
11 - 20	91 - 180	2
21 - 30	181 - 270	3
>30	>270	>4

NOTE: Calculated using a ceiling to ridge height of 1.85m

TurboBeam™

TurboBeam is a wind driven ventilator with a clear turbine, designed to remove heat and provide natural light to the roof space or storage area. The natural light provides increased visibility and acts as a deterrent to vermin and pests. TurboBeam, with a 250mm opening is ideal for small spaces, attics, garages and sheds.



Features:

- Durable clear acrylic head with a large 250mm opening
- Designed for small roof and storage spaces
- High quality, UV and temperature stable plastic head and aluminium flashing
- 15 year warranty

Benefits:

- Allows light into roof spaces and deters unwanted vermin and pests
- Ideal for attics, garages and sheds
- Provides ventilation at low wind speeds and is suitable for most metal or tiled roofs
- Peace of mind

Suitable for metal or tiled roofs

Two Polyeave vents are recommended for each TurboBeam for improved air flow

Complete Colour Range

Bradford Wind Driven ventilators are available in a wide range of colours to suit your home.

 CLASSIC CREAM™ W	 PAPERBARK® SW	 COVE™ W	 GULLY™ W	 LOFT™ W	 SURFMIST® SW
 EVENING HAZE® W	 MANGROVE® W	 PALE EUCALYPT® SW	 WILDERNESS® W	 COTTAGE GREEN® SW	 HEADLAND® SW
 JASPER® SW	 TERRAIN® W	 MANOR RED® SW	 SHALE GREY™ SW	 DUNE® SW	 WINDSPRAY® W
 BASALT® SW	 WALLABY® W	 WOODLAND GREY® SW	 DEEP OCEAN® SW	 IRONSTONE® SW	 MONUMENT® SW
 NIGHT SKY® SW					

LEGEND:
SupaVent™ = S WindMaster™ = W

Specialist Ventilators



TurboVentura™

A hail resistant plastic ventilator with a 150mm opening. It is ideal for ventilating small areas such as sheds, removing moisture laden air or fumes.



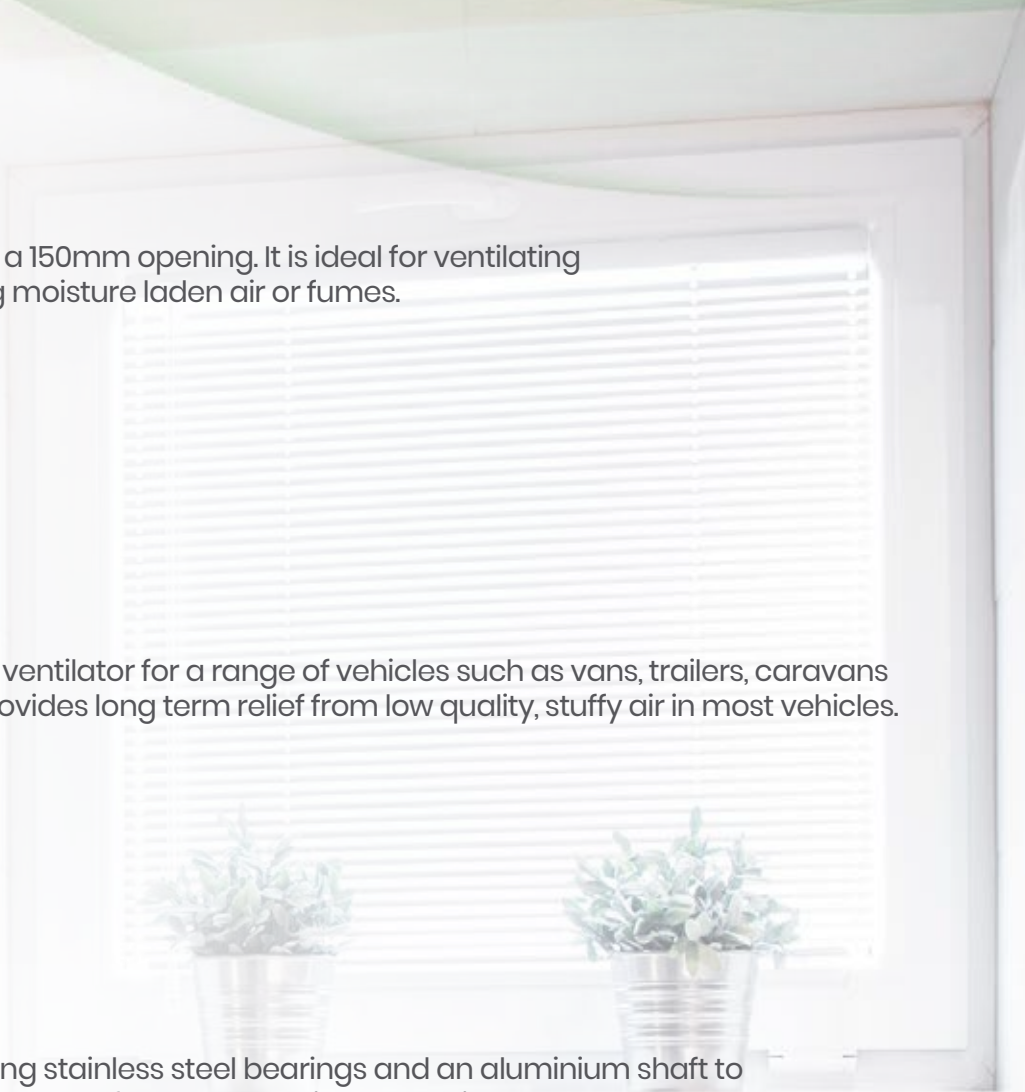
General Purpose Vent

A 150mm compact, impact resistant ventilator for a range of vehicles such as vans, trailers, caravans and boats. The easy to install vent provides long term relief from low quality, stuffy air in most vehicles.



Sewer Vent

A small 150mm ventilator incorporating stainless steel bearings and an aluminium shaft to withstand the impact of noxious air streams from sewers, pits and drains.



Accessories



WhirlyMate

WhirlyMate is a square shaped ceiling grille which allows controllable ventilation of air flow. In summer the unit can be opened to allow heat from the living area to escape, and in winter it can be closed to retain warmth. WhirlyMate can be used as a total living area ventilation system when used in conjunction with Bradford wind driven or smart ventilators.



Round Ceiling Grilles

Round ceiling grilles can be used to connect ducting to roof mounted ventilators for the effective removal of hot, stuffy, stale or damp air from living areas. Available in 150, 200, 250 and 300mm, they are suitable when a ducted ventilation solution is required to blend in aesthetically to ceiling surfaces.



PolyEave Vents

PolyEave Vents are installed outside under the eave of a roof and allows airflow into the roof space to improve cross flow ventilation with roof vents. Perfect for working in conjunction with WindMaster, SupaVent and TurboBeam.



MetalEave Vents

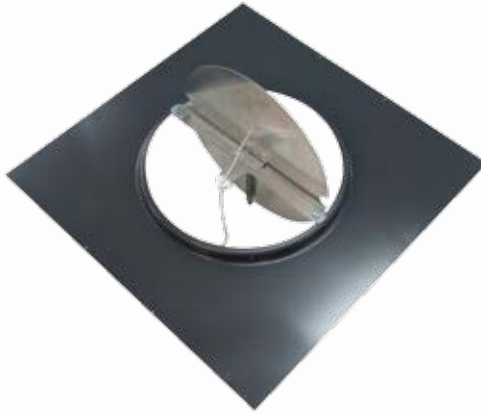
MetalEave Vents are designed for homes in bush fire areas up to BAL 40 and meets the requirements of AS 3959-2009. An effective and safe eave vent for use in combination with Bradford Maestro BAL bush fire rated vent to improve cross flow ventilation in the roof space.

Other Accessories



SparkGuard Stainless Steel Mesh

SparkGuard is a bushfire rated, stainless steel mesh designed to prevent the entry of sparks and embers into a roof space. The 19mm mesh apertures meet the requirements of AS 3959-2009 for bush fire areas.



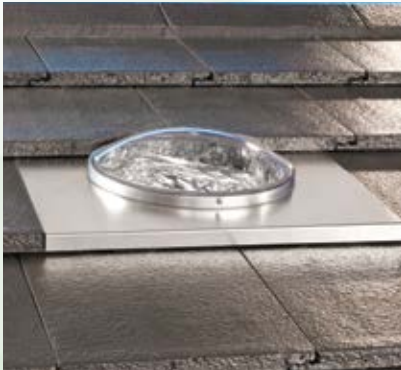
Turbine Shutter

A turbine shutter can be inserted into the throat of the Bradford 300mm or 250mm ventilators to control the flow of air between the roof space and the external environment. In summer, manually open the shutter to let hot air out of the roof space, and close in winter to keep cold air out or warm air in.



Ventilation Kit

Bradford Ventilation kits are easy to install and can be used in many areas of the home. The ceiling grilles and ducting remove hot, stale or damp air from rooms such as laundries and bathrooms, or any other difficult to ventilate areas of the home.



SolaBrite™ Skylights

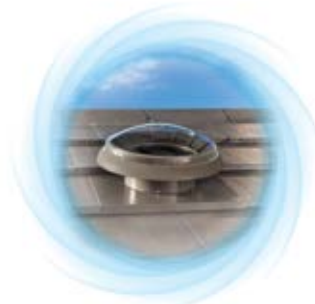
SolaBrite roof mounted, tubular skylights are a cost effective and energy efficient means of using natural light to brighten any room in your home. They are economical to install and introduce less heat than conventional square or rectangular skylights.

With Australia's leading range of ventilation, you're sure to find a Bradford Ventilation system that suits your home.

Smart Ventilation Bradford smart ventilators, powered by Air iQ, use in-built sensors which automatically adjusts the fan speed in response to the levels of heat and humidity in the roof space. Edmonds smart ventilators are an ideal, energy efficient solution for year round heat and humidity management.



Maestro BAL
Compliant with bush fire rating up to BAL 40



Airomatic
High quality UV stable plastic with clear acrylic dome



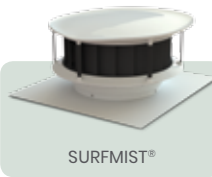
EcoFan
Solutions for underfloor air quality problems

For more information call 1300 858 674 or visit bradfordventilation.com.au

Hybrid Air Exchange System

Odyssey is a smart air exchange system that automatically controls the comfort of your home. The system removes hot stifling air in summer and uses warmer, outside air in winter to warm up cold, damp rooms in your home. Damaging condensation can be managed and air quality improved for those suffering from asthma and allergies. All through an easy-to-use touchscreen control panel.

Odyssey®



SURFMIST®



HEADLAND®



WOODLAND GREY®



NIGHT SKY®



For more information call 1800 332 332 or visit odyssey.com.au

Specifications

	Materials	Size	Colour	Ball bearings	Weight	Wind speed rating	Fire rating
WindMaster	Aluminium turbine, Varipitch and flashing	300mm opening	27 colours and mill finish	High carbon chromium steel	2.0kg	205.2km/hr Performance level 2*	Complies with requirements for AS 3959-2009 to BAL 29 when installed with a SparkGuard
SupaVent	ASA plastic turbine, aluminium Varipitch and flashing	250mm opening	16 colours	Stainless steel	2.0kg	205.2km/h Performance level 1*	N/A
TurboBeam	High impact acrylic turbine, aluminium Varipitch and flashing	250mm opening	Clear acrylic head and mill flashing	Stainless steel	2.0kg	205.2km/h Performance level 1*	N/A
WhirlyMate	Long life ABS plastic with insect mesh	353mm x 353mm	White	N/A	0.9kg	N/A	N/A
PolyEave	ASA plastic	418mm X 220mm	White	N/A	0.17kg	N/A	N/A
MetalEave	Frame: aluminium Mesh: Stainless steel	418mm X 220mm Mesh aperture: 1.9mm	White	N/A	0.255kg	N/A	Complies with requirements for AS 3959-2009 to BAL 40
SparkGuard	Stainless steel mesh	Mesh aperture: 1.9mm Circular: 250mm & 300mm	Stainless steel	N/A	250mm: 0.13kg 300mm: 0.15kg	N/A	Complies with requirements for AS 3959-2009 to BAL 40

*As per AS4740-2000

Detailed warranties, technical data sheets and installation instructions available at bradfordventilation.com.au

For more information call **1300 858 674**



Bradford Ventilation
Locked Bag 1345 North Ryde BC NSW 1670

Bradford Ventilation is a registered trademark of CSR Building Products Limited ABN 55 008 631 356.

The COLORBOND® steel colour swatches and images shown in this brochure have been reproduced to represent actual product colours as accurately as possible. However, we recommend checking your chosen colour against an actual sample of the product before purchasing as varying light conditions and limitations of the printing process may affect colour tones. COLORBOND®, BlueScope,™ and ® Colour names are registered trademarks of BlueScope Steel Limited.

