Product **Technical** Statement

Roof Valve Static Ventilator

Refer to product table below for applicable product codes covered by this document Issue **B**

Product Type & Application

The Bradford Ventilation Roof Valve is a low-profile static roof ventilator that allows the release of air from the roof space or internal space via flexible duct. The Bradford Roof Valve is suitable for residential, non-cyclonic, non-BAL applications.

Compliance with the NCC

When correctly specified and installed this static roof ventilator;

- Meets the requirement of the NCC2019 Ventilation of Roof Spaces Volume 1 Clause F6.4 and Volume 2 Clause 3.8.7.4 as a Deemed-To-Satisfy solution.
- Meets the requirement of NCC2019 Flashing Volume 2 Clause 3.5.2.3 (b) as a Deemed-To-Satisfy solution.

Evidence of Suitability

- Bradford Ventilation DTS Solution Calculation

Conditions of Storage, Use & Maintenance

- Store in the original packaging in a cool and dry area.
- Do not attempt to repair – contact Bradford Ventilation.

Limitations of Use

- The Roof Valve is designed for Class 1 and Class 10 construction in non-cyclonic regions.
- Do not use for exhausting hazardous, abrasive, explosive materials and smoke.
- This product is not suitable for bushfire (BAL) rated areas.
- Duct or connect only one Roof Valve per bathroom/laundry vent.
- When connected to powered fan applications, consult with fan manufacturer and product airflow performance graph within this PTS document.

Specific Design or Installation Instructions

- This product must be installed and sealed against water ingress.
- Recommended Roof Valve positioning:
  - Tiled Roof: Between third and fourth row of tiles from the ridge cap.
  - Metal Roof: Ideally at the ridge cap but no lower than 1.2m from the ridge cap.
- Installation must be in accordance with the Bradford Ventilation Roof Valve Installation Instruction.
- Refer to the table below for recommended ventilation levels
- To facilitate effective and efficient crossflow ventilation, the Roof Valve(s) and eave vents must be evenly distributed.
- When used in conjunction with flexible ducting to ventilate an internal space, consideration should be given to the pressure loss associated with the Roof Valve and length of flexible duct

NCC2019 Ventilation of Roof Spaces Deemed-To-Satisfy Solution Requirements:

- Calculate the area (m^2) of ceiling directly under the roof space;
- Determine the pitch of the roof;
- Look up the recommended number of Roof Valve and Bradford Metal Eave vents in the Deemed-To-Satisfy Solution Table below;
- Distribute the Roof Valve (s) and Bradford Metal Eave Vents evenly.

Bradford Ventilation Deemed-To-Satisfy Solution Table

Roof Pitch	Total Ceiling Area (m^2)	Number of Roof Valve required	Bradford Metal Eave Vents required
> 22°	14	1	1
	29	2	2
	43	3	3
	58	4	4
	72	5	5
	87	6	6
	101	7	7

Total Ceiling Area is defined as the total ceiling area directly under the roof/attic space.

Where the roof pitch is ≤ 22°, the number of ventilators and eave vents specified must be doubled for the same ceiling area.

For general installation guidance refer to the product installation guide at www.bradfordventilation.com.au

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For further technical advice
call **1300 850 305** or visit **csrbradford.com.au**

Bradford™

Product Technical Statement

Roof Valve Static Ventilator

Applicable Product Codes (SKU)

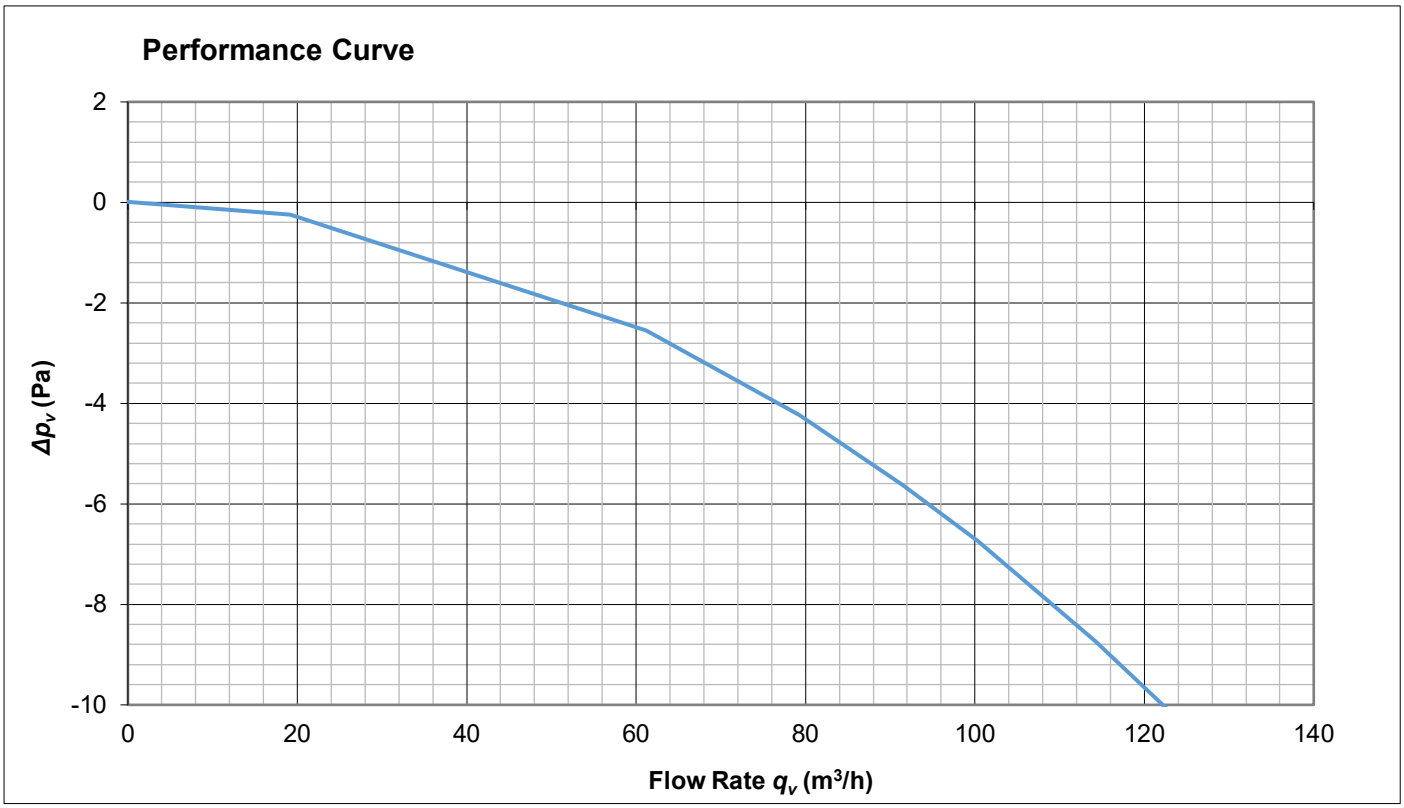
Night Sky	Clear
466758	468467

Product Specifications

General	
Ventilator Type	Static Ventilator
Head Diameter	259 mm
Throat Diameter	150 mm
Product Weight	0.8 kg
Roof Slope Installation Range	3° to 35°

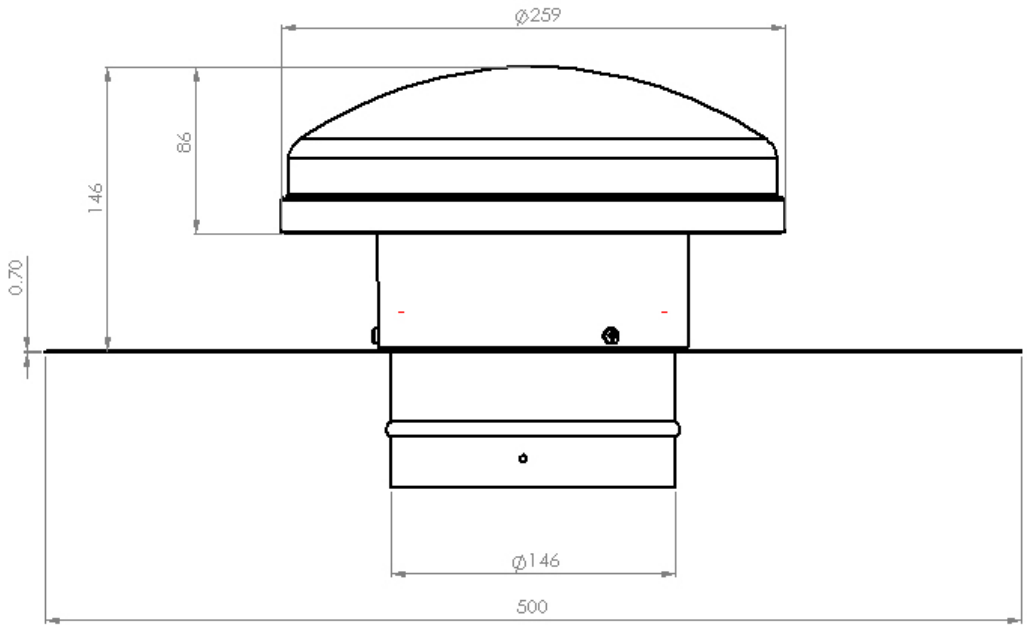
Material	
Ventilator Head	ASA
Flashing	Aluminium (0.7mm thickness)

Product Airflow Performance – Static Ventilator

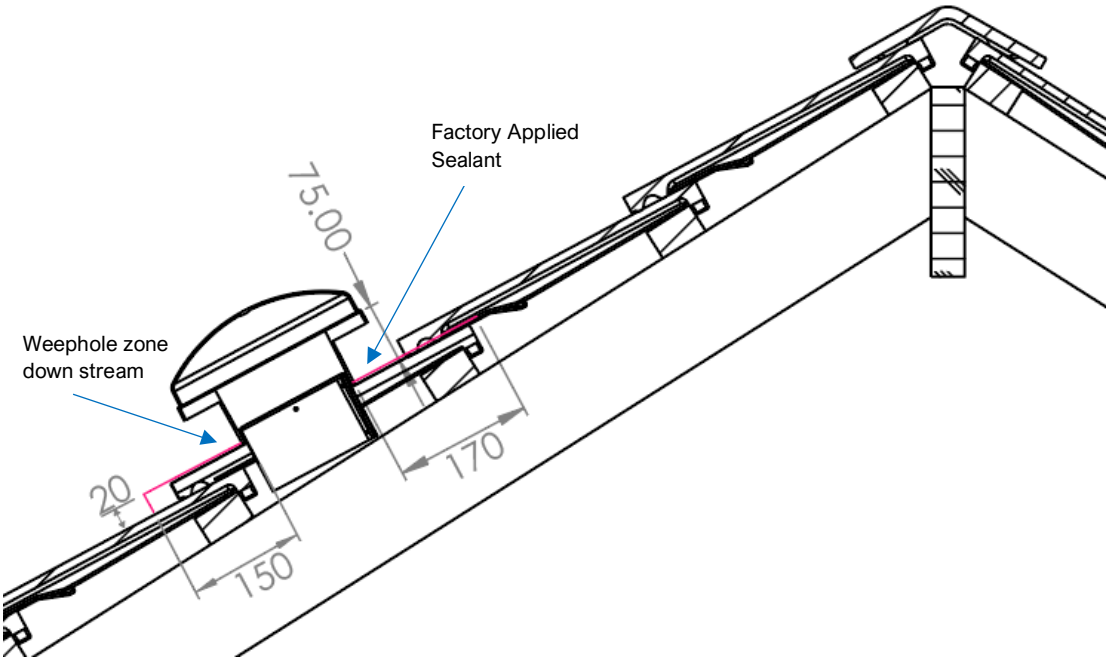


Roof Valve Static Ventilator

Product Dimensions (in mm)



Product Assembly Dimensions (in mm)



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