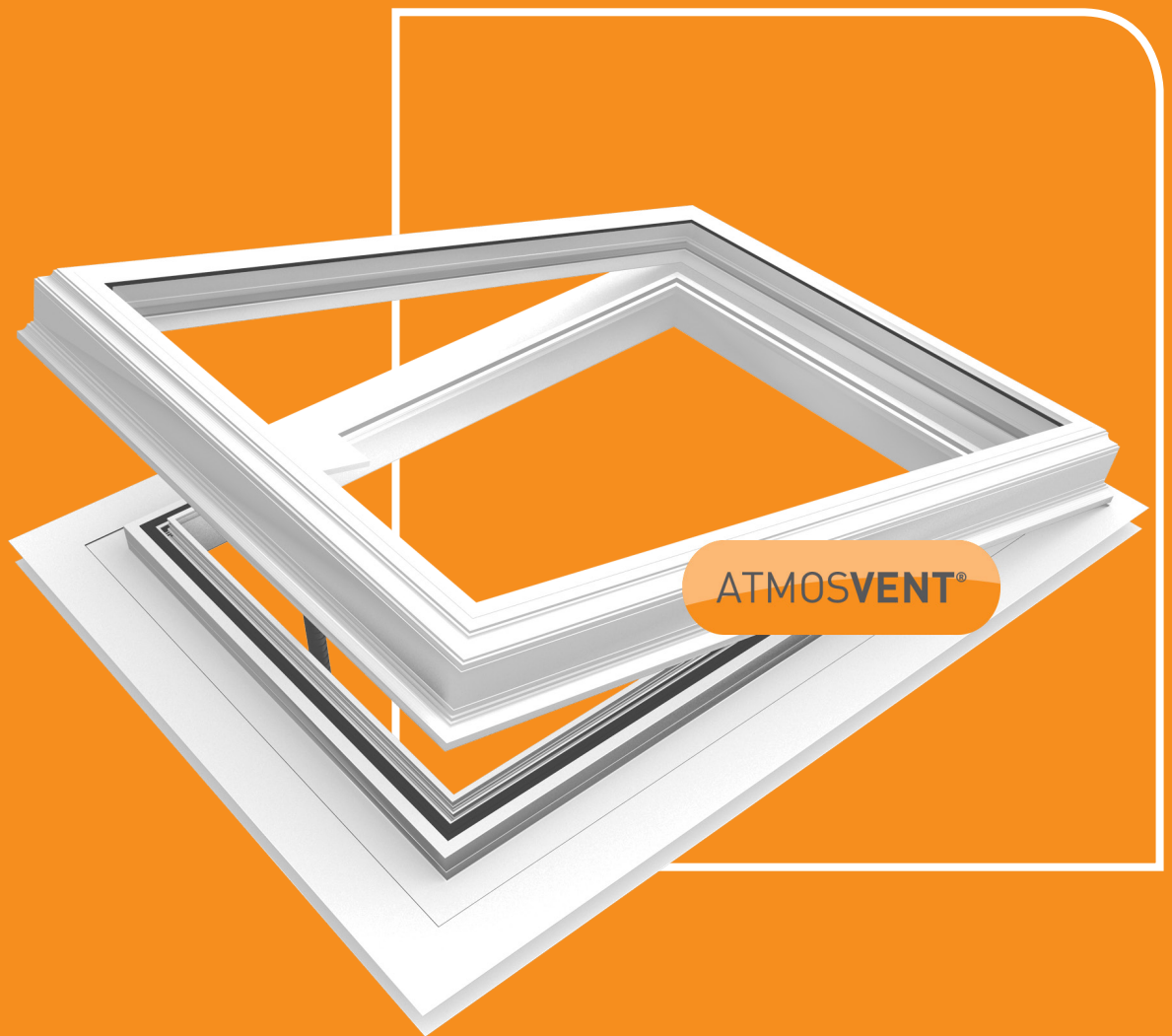


ATMOSVENT®

Long Term **Durable** and **Quality Vents**
Technical Guide



Quality Vents That Last

ATMOSVENT® roof vents are made-to-measure to suit nearly all rafter spacing requirements. ATMOSVENT® roof vents provide an ideal ventilation solution and can also help to reduce heat gain.

The ATMOSVENT® Aluminium range offers long-term durability in the most extreme environments, and is available in four thicknesses to suit nearly all glazing requirements. Atmosvents® are supplied unglazed for customers to fit their preferred glazing sheet option.

Unlike many conventional glazing vents, ATMOSVENT® has a track record of success with no reported leaks or product failures.

ATMOSVENT® are readily available with the options of electric openers and climate control to provide the most practical solution to your individual requirements.

The incorporation of the thermal breaks in the aluminium structure helps prevent cold external temperatures reaching the inside surfaces and causing excessive condensation.



Common uses:

- ✓ Conservatories
- ✓ Swimming Pools
- ✓ Industrial Skylight
- ✓ Shopping Malls
- ✓ Horticultural and Greenhouse Applications
- ✓ Equestrian Centres
- ✓ Livestock Areas

Qualities:

- ✓ Allows Essential Air Change
- ✓ Reduces Room Temperatures
- ✓ Long Lasting
- ✓ Virtually Maintenance Free
- ✓ Removable Lid
- ✓ Electronically Operated (Optional)
- ✓ Automatic Climate Control with Rain Sensor (Optional)
- ✓ Thermally Broken



ATMOSVENT®

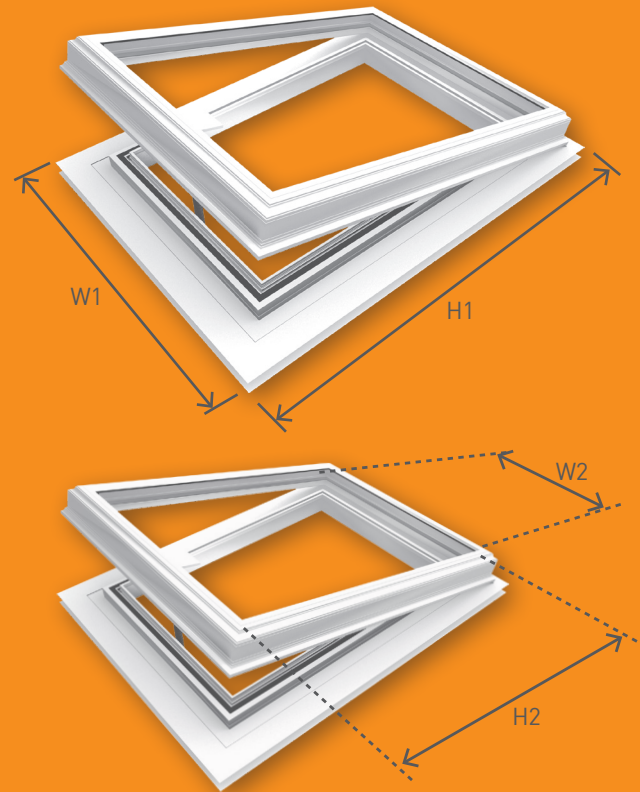
This ATMOSVENT® is designed to accept glazing materials such as polycarbonate or glass, above and below so that the vent is glazed part-way down your roof panel. The vent is designed as a bar to bar vent and will glaze into your roof bars resting on the rafters in the same way as your glazing panels.

Description	Code
24mm Aluminium with Brass Opener – WH / PC	AV24WHBS / AV24PCBS
24mm Aluminium with Chrome Opener – WH / PC	AV24WHCH / AV24PCCH
24mm Aluminium with Electric Opener – WH / PC	AV24WHEL / AV24PEL
35mm Aluminium with Brass Opener – WH / PC	AV35WHBS / AV35PCBS
35mm Aluminium with Chrome Opener – WH / PC	AV35WHCH / AV35PCCH
35mm Aluminium with Electric Opener – WH / PC	AV24WHEL / AV24PEL
24/25mm PVC Economy Roof Vents – WH both sides	AV24WH2E0 (Electric)
24/25mm PVC Economy Roof Vents – WH both sides	AV24WH1M0 (Manual)

ATMOSVENT® How to Work Out Lid Glazing Size

Calculations
W1 minus 130mm = W2 (Inside Glazing Size)
H1 minus 130mm = H2 (Inside Glazing Size)
Deduct 13mm from the lower glazing pane below the ATMOSVENT®

Atmosvent Aluminium Sizes



ATMOSVENT® : Colours

ATMOSVENT® are available in white as standard. In addition to this they can be supplied spray-painted to any other RAL or BS colour to match a specific background or adjacent frame colour. Extra lead time should be allowed for special colours.

ATMOSVENT® : Accessories

All ATMOSVENT® accessories are made from the highest quality materials. Our real wood handled crank handle offers the most cost effective opening solution, whilst our electric switch operated Atmosvents and climate control options offer the greatest automation for practical everyday use.

Description	Code
Rocker Switch for opening Electric Vents – WHITE	AVRS
Electric Motor – WHITE	AVEMWH
Climate Control Wh/Rain Sensor Controls 6 Vents	AVCCWH
High Quality Brass Style 1.5m Crank Teak Handle	AVCHBS
High Quality Chrome Style 1.5m Crank Teak Handle	AVCHCH
Brass Winder 300mm (normally incl on vent)	AVBW300
Chrome Winder 300mm (normally incl on vent)	AVCW300

Brass Crank Handle



Chrome Crank Handle



Rocker Switch



Climate Control



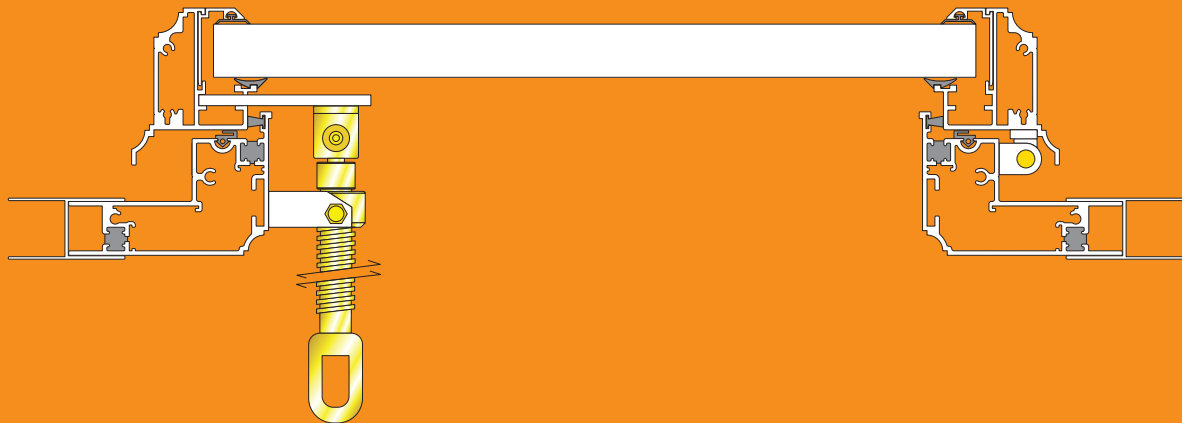
ATMOSVENT® : Glazing the Lid

Atmosvents are designed for a high quality roof vent solution. Please take extra care during handling and installation to ensure trouble-free performance.

This Atmosvent is designed to accept glazing from above and below however, you can glaze from one side only if you wish.

- Where the glazing enters the "U" channel at either the top or the bottom of the vent it must be sealed both inside and out with a suitable silicone sealant, failure to do this will result in water leaks!
- If you are only glazing below the ATMOSVENT® it may be advisable to fit a spacer inside the top "H" section to reduce the risk of crushing whilst fitting any glazing beads.
- The lid is fully removable for ease of installation and future maintenance.
- To do this simply open the lid fully and you will be able to see a small grub screw inserted into each hinge, remove this and the hinge pins will push out releasing the lid, please remember to replace them later or the pins will ride out during use.
- Glazing the lid is also simple, whilst you have it removed you will see that the retaining beads drop into a slot in the lid and then lift up into a second groove in the upper edge of the lid, these beads are known as "shuffle" beads.
- Remove the beads from the lid and place in your glazing, now replace the beads top and bottom first and then the sides ensuring that they are in their slots. Now turn the lid over and push your glazing against the beads to lock them in.
- Next you need to fit the wedge gasket between the inside face of your glazing and the inner edge of the vent lid. The wedge gasket provided has a curved side which you place against the glazing and a side with a groove in it, this groove is called a "lock throat" and is designed to clip over the vent lid and stop the gasket pulling out. So starting in one corner push the gasket in between the glazing and the ATMOSVENT® lid cutting it where needed until you have done all four sides.

Refit your lid, attach your winder and your Atmosvent is now completely installed.



ATMOSVENT® : Connecting Atmosvent to Glazing

Atmosvents come with four extrusions (D) which connect the vent to the upper and lower polycarbonate or glass. Carefully clean all surfaces that need to be sealed, then apply a quality all-weather sealant to the under surface (E) of these trims so that they form a perfect seal when they are clipped on to the ATMOSVENT®. Once all four beads are clipped on (two each end) apply sealant to the internal faces (F) of the open jaws that these trims have made. Finally push your ATMOSVENT® and glazing together above and below the vent ensuring that the correct amount of sealant has been used to create a perfect seal and eliminate leaks.

WARNING : REGISTERED DESIGNS & PATENTS

The IP of the designs in this brochure are protected by internationally registered design rights. Many products are also protected with active or pending Patents. Clear Amber will not hesitate to take appropriate legal action if its rights in this respect are infringed.

© Copyright – Clear Amber Group Ltd – June 2019. No part of this publication may be copied, reproduced, scanned, or stored in any electronic database, whether in whole or in part, in any form or by any means, without permission in writing from Clear Amber. Clear Amber will not hesitate to take appropriate legal action if its rights in this respect are infringed.

Inasmuch as Clear Amber have no control over the circumstances in which our material may be used, or site specific parameters, we cannot guarantee that any particular results will be achieved. Users should carry out their own tests to determine the suitability of the material for their application.