

Turbine Ventilator Installation Guide

Equipment Required

- Drill
- Riveter and rivets, or if using screws a screw driver / drill
- Hammer
- Snips or similar cutting tool
- Turn up tool or suitable pliers
- Spirit level
- Approved roofing sealant / silicone
- Marker
- Knife

Location

- Position the ventilator as close to the roof ridge as possible. Check that the position is not over roof beams or other obstructions that may impede air flow through the ventilator.

Cutting the opening

- Slide the base flashing under the ridge at the chosen location and using the circular hole in the base flashing draw the outline onto the roof.
- Remove the base flashing and cut out the roof. With a sharp knife cut out the roof underlay.
- Using a turn-up tool or suitable pliers turn up the troughs of the roof on the lower side of the roof cut out to prevent wind driven rain entering the building.
- *Please note: For ventilators that are larger than 600mm extra support will be required. Please refer to The Metal Roofing Code of Practice for information.*

Fixing the base flashing

- Lay a bead of approved roofing sealant down the tops of the roofing ribs to be covered by the base flashing on both sides of the roof cut out.
- Lay the base flashing under the ridge and over the cut out hole in the roof. Fix the base flashing to the roof using at least 10 x tek screws or rivets.
- Seal using an approved roofing sealant between the ridge and the base flashing and fix the ridge back down to the roof structure through the base flashing.

Installation of the vari-pitch

- *It is recommended gloves be worn for this work to protect from any sharp edges on the metal.* Revolve the two movable parts of the vari-pitch until when placed on the base flashing the ventilator is level. Mark this position with a marker on the base flashing and the vari-pitch. Once this is achieved remove the ventilator from the base flashing. Using the approved roof sealant, seal around the joint between the 2 moving parts of the vari-pitch from the inside of the unit. Also seal the vertical joints and all screws from the inside.
- Please note: Do not seal between the base flashing and the vari-pitch all the way around as this joint allows for the escape of any condensation build up within the unit.
- Using the approved roofing sealant seal the upper 1/3rd of the up-stand of the base flashing.
- Refit the ventilator to the base flashing at the previously marked position. Rivet the vari-pitch to the base flashing using at least 8 x rivets.
- Using the supplied metal strips, fasten 3-4 of them across the seam of the two movable parts of the vari-pitch (this is to stop the vari-pitch adjusting itself in the wind once the unit has been installed).
- *For the SVV-900 the turbine head will need to be fixed to the vari-pitch throat using at least 12 rivets.*

Notes

- If it is required that the ventilator be placed further from the ridge than the base flashing allows, a metal cowl flashing can be used. This is easily obtained from your local roofing accessory manufacturer or sheet metal workshop.

DISCLAIMER: Ventüer cannot hold any responsibility for the installation of ventilators. Installation should be done by a qualified roofing contractor. Please refer to The Metal Roofing Code of Practice for information.

**WIND TURBINE
VENTILATOR**
Installation Guide



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