



VENTILA VIV and VV Installation and operating instructions

Placement and amount of the ventilation turbines.

1. Install the ventilation turbine on the windward side of the roof on the highest point of the roof cladding (in case of the pitched roof - on the ridge or just below the ridge) so that the rotating head could catch with its surface the airflow from all sides without any limits. Rotary head must not be placed on the leeward side.
2. Specify the quantity and type of VENTILA ventilation turbines according to the table provided by the manufacturer taking into account the type, characteristics and purpose of the construction. We recommend to have this issue consulted with an expert (designer, specialist, etc.).
3. The installation of VENTILA turbines, their components and accessories must be performed by a trained worker who has experience in the field of laying down the folded roof structures or in the area of waterproofing flat roofs.

Connecting and mounting base and adjustable neck.

4. The base connection with the base (roof) must be secure and firm. Also, the connection of the base, adjustable neck and rotating head must be firm and secure to its maximum and in accordance with recommendations of the manufacturer so there is no leakage inside the turbine and the roof cladding, the detachment of turbine from the base or the detachment of the turbine components by each other.
5. Add a base to a predetermined location and mark the diameter of opening.
6. Create the already marked circular opening according to the type of used or the intended roofing or waterproofing and its base of the roof casing.
7. Fasten the base firmly to the roof in a suitable way. We recommend to use quality fastening material with the high firmness and corrosion resistance approved by the EN standard for the roof cladding and tinsmith's elements.
8. Install an adjustable neck at the base (can be used for roofs with an inclination of 0-45 degrees), which is anchored to the base by means of rivets or suitable screws. We recommend using the rivets. The adjustable neck (turn its upper part until the top edge is not in a plane. Check the plane using the water-level ruler. If you have the top edge of the adjustable neck in perfect plane in all directions, fix the neck in the place of its setting using fixation plates and rivets to prevent its rotation due to climatic conditions. It is recommended to seal all the joints and connections from the inside of the base and the adjustable neck with a suitable sealant such as: roofing silicone based on MS polymer, or PU cement based on polyurethane.

Mounting the rotating head.

9. Place the rotating head on the adjustable neck and anchor using three attached metric threaded screws with the lock washers. The procedure is as follows. Leave the screws screwed in the load bearing construction of the head. Loosen them a little bit but be careful to have still screwed in the construction in the whole width of the thread. Place the head on the neck so that the screws are exactly above the openings which area already drilled on the upper edge of the adjustable neck. Grasp the head with one hand and unscrew one screw after another. Insert the head into the neck so that the holes overlap. Screw the screw with two washers. One of the washers is always the lock (spring) washer. Repeat this procedure two more times around the circumference of the neck. Then, tighten the screws all over the circumference to prevent damage (tightening of threads) by means of a manual screwdriver.

Do not use the accumulator screwdriver!!! It may damage to screws and threads.

10. Check that the head is rotating evenly. It must not have eccentric rotation and the head must be in the plane.
11. Then connect the ventilation turbine using a lightning arrester terminal in accordance with the applicable EN, STN or ČSN standard.
12. When removing the turbine head, follow the installation instructions in the inverse order. There is a need for caution when stopping head rotation. There is a risk of injury to the fingers and limbs.
13. During the operation of the turbine, we do not recommend anything to interfere, modify or repair it. No maintenance of the ventilation turbine is required. However, we recommend regular visual inspection at least twice a year. At the end of autumn and at the beginning of spring, or before and after the winter. In case of damage, contact the assembling company immediately.

Disposal of product and packaging.

Aluminum sheet, including cardboard packaging, must be transferred to collection raw materials or to the waste recycling center.

Transport and storage:

Ventilation turbines are supplied in a cardboard box of a suitable shape so the packaging has been able to prevent standard damage during storage and transport. The box must not be extremely stressed by the weight of other objects and must not be visibly deformed. For a deformed box, immediately check the state of the ventilation turbine to see if it is note damaged. The head must have a regular shape and the blades must not be curled or damaged. We recommend to transport and store the product in a box and in a horizontal position. Goods must not be stored in a dusty and aggressive environment in which the aluminum or galvanized material could be damaged.

Required tools:

Pliers, manual screwdriver, with PH 2 tip and standard plumber, roofing and isolator tools.



The above information is provided to our best of our knowledge and conscience. The conditions incurred during the application are not under the control of sellers or the manufacture, so they are not responsible for them.

errors in the text reserved

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