Technical Datasheet

Air valve Calimaero TVQ A/Z

Product Identification

Calimaero TVQA 100 EAN: 4054503044883
Calimaero TVQA 125 EAN: 4054503044890
Calimaero TVQZ 100 EAN: 4054503044906
Calimaero TVQZ 125 EAN: 4054503044913

Manufacturer

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Product Description

The air valve is made of steel sheet, powder coated and designed to prevent rain, cold air, and debris from entering ventilation systems. The valve body has a gasket, made of cellular plastic and the control disc, with screw spindle, enables easy regulation and positional locking. Start with a small opening and increase slowly until the desired discharge or supply volume is achieved. The fixing collar is manufactured from galvanized steel sheet.

The valve can easily be installed and fits in common round ventilation pipes and flexible pipes according to DIN EN 1506. It is suitable for wall mounting and ceiling mounting.

Installation: This air valve is designed for simple, one-person installation using standard tools. The nozzle fits easily into the ventilation pipe, and the mounting frame is secured to the wall with screws.

Conformity of the product

At present, no mandatory harmonized standards (EC Directive) are available for and applicable to the products listed above. Directive 2011/65/EU and its amendment Directive (EU) 2015/863 (RoHS) lays down rules on the restriction of the use of hazardous substances in electrical and electronic equipment (EEE) with a view to contributing to the protection of human health and the environment, including the environmentally sound recovery and disposal of waste EEE.

Test specification: Total concentration of Lead, Cadmium, Mercury, Chromium VI, Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) in accordance with the Directive.
Result: Based on the analysis on the submitted sample(s), the test results comply with the concentration limits as specified in Annex II to Directive 2011/65/EU.

Risk Assessment: Installation of air valve

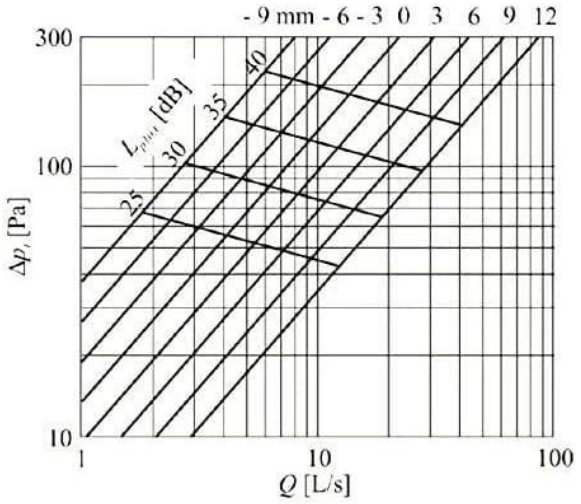
Hazard	Potential Risk	Risk Level	Control Measures
Use of drill, screwdriver	Cuts, abrasions, or puncture injuries from improper tool handling	Medium	Wear appropriate PPE such as gloves. Ensure tools are in good working condition. Use proper techniques.
Drilling into the wall	Dust inhalation and debris causing respiratory or eye irritation	Low	Wear safety goggles and a dust mask when drilling. Ensure good ventilation.
Falling objects	Dropping tools or vent cover during installation	Medium	Secure all tools and components on a stable surface. Wear safety boots to protect feet.
Working at height	Falls from ladders or unstable platforms	High	Use a stable ladder or platform. Ensure it is positioned securely. Avoid overreaching.
Sharp edges on air valve	Cuts from handling the stainless steel air valve	Low	Wear gloves to protect hands when handling the vent cover.
Noise exposure	Hearing damage from prolonged use of power tools	Low	Wear ear protection if using power tools for extended periods.
Improper installation	air valve may fall or loosen, leading to damage or injury	Medium	Ensure the air valve is securely fastened using the provided screws and appropriate dowels. Double-check alignment and fit.
Electrical hazards	Risk of hitting electrical wires while drilling	High	Use a cable detector to locate any hidden wires. Avoid drilling in areas where wires are present.

Residual Risk After Controls:
Low to medium with appropriate safety precautions in place. Proper use of PPE, safe tool handling, and adherence to installation guidelines reduce the likelihood of accidents or injury.

Emergency Procedures:
In case of injury, seek first aid or medical assistance immediately. For electrical shocks, shut off power and seek urgent medical help. If a fall occurs, assess the injury and call for assistance if necessary.

Technical Specifications and Product parts

SIZE	ØD (mm)	FUNCTION
TVQA 100	100	Exhaust
TVQA 125	125	Exhaust
TVQZ 100	100	Supply
TVQZ	125	Supply



1.

Product parts

2. Air valve
3. Adjustable core with threaded spindle

Installation Instructions for calimaero TVQ A/Z air valve

Tools Required:

- Standard screwdriver or drill
- Measuring tape
- Pencil or marker
- Ladder (if needed)

Included in the Package:

- calimaero TVQ A/Z air valve

Step 1: Prepare the Ventilation Pipe

- Ensure the ventilation duct or flexible pipe is clean and free of obstructions.
- Verify that the duct is the correct size for the air valve.
- If necessary, trim the pipe to ensure a flush fit with the exterior wall.

Step 2: Mark Mounting Positions

- Hold the Mounting frame against the exterior wall, aligning it with the duct opening.
- Using a pencil or marker, mark the positions of the two screw holes on the wall.

Step 3: Drill Holes (if required)

- If you're mounting the air valve on a concrete or brick wall, pre-drill the marked holes using a drill bit appropriate for the wall material.
- Ensure the holes are deep enough to securely hold the screws.

Step 4: Secure the Mounting frame

- Align the screw holes on the mounting frame with the marked positions on the wall.
- Fasten the mounting frame to the wall using the provided screws.
- Make sure the frame is securely attached and there are no gaps around the edges.

Step 5: Insert the Air valve

- Insert the air valve into the ventilation pipe or flexible duct.
- The air valve should fit snugly inside the pipe.

Step 6: Adjust the airflow

- Rotate the core of the valve to adjust the airflow

Step 7: Test the air valve

- Turn on the ventilation system to check that the air is flowing through the valve.

Important Notes:

- Regularly inspect and clean the air valve to ensure proper airflow and prevent blockage.