





Data sheet

Exhaust-valve EVE

Please read these „data sheet“ carefully and completely. Only technically qualified personnel may work on this device.

Meaning of symbols

-  **Safety instructions** must be observed! Failure to observe these notes may result in personal injury and property damage.
-  **Advice**, the non-compliance with these instructions or the technical data shall lead to the loss of rights under guarantee.
-  **Correct**, this is how it should be done.
-  **Incorrect**, this is not how it should be done.

Correct and proper use

The Exhaust-valves EVE are used to exhaust cylinders more quickly and increase the cylinder speed. They are screwed directly with connection A (or in the immediate proximity) to the cylinder or valve.

Application e.g. for SHE cylinders in towing operation by ventilation actuator or ventilation cylinder.

Ventilation: The air flowing from the control valve can flow unhindered from connection P to connection A.

Exhausting: When the control valve switches to exhausting, P is depressurized. The valve switches to flow from A to R and the air can exhaust unhindered from the cylinder/valve to the outside.

The valve must be installed at least 2,5m from the bottom or to the next access level (no free access for system-external persons).

Variants

- EVE-Ø6-1/8" (Figure 1) for direct screwing into a 1/8" thread (e.g. TA4 inlet VA/VZ) for Ø6mm connection line.
- EVE-1/8"-1/8" (Figure 2) for variable use with different pipe diameters using separately available 1/8" screw connections.

Technical data

reliability Re	300 at 60bar
reliability ventilation	10.000 at 16bar
max. operating pressure	60bar
min. switching pressure	2bar
max. housing pressure	80bar
nominal width	2mm
ambient temperature	-25°C - +110°C

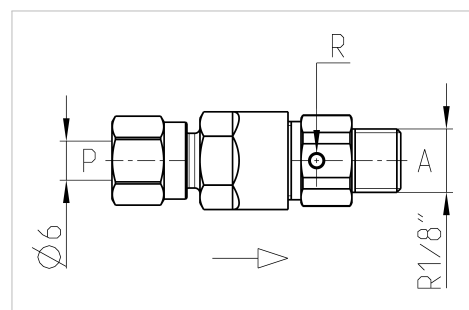


Figure 1: EVE-Ø6-1/8"

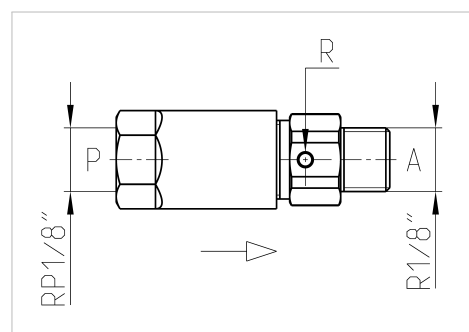


Figure 2: EVE-1/8"-1/8"

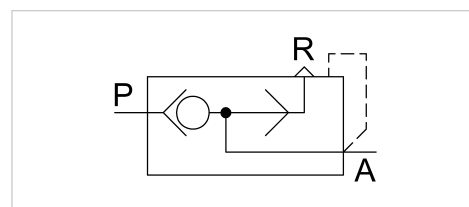


Figure 3: circuit diagr. (design)

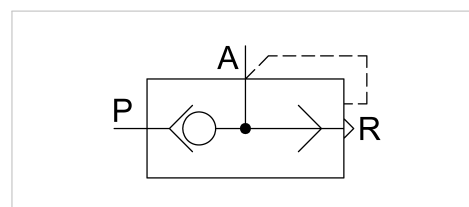





Figure 4: circuit diagr. (ISO 1219-1)


Legend connections

P ... inlet
A ... outlet
R ... exhaust



General notes

-  **Roof opening:** During installation work, every person in the roof opening area must be secured with the correct safety equipment.
-  **Falling parts:** Make sure that no persons or objects are below the work area while working on the NSHEV, or the work area must be cordoned off. If work below the work area is unavoidable, suitable protective equipment must be worn.
-  Handle this product only with appropriate PPE (e.g. cut resistant gloves, safety shoes).





Installation

-  We recommend installing the pipes using compression fitting (DIN 3861), our connection threads are designed for screw thread 1/8" in accordance with EN 10226. A suitable sealant is recommended.

Before the installation, the following must be checked:




-  Check the completeness of the scope of supply (acc. Figure 1 + 2) and that there is no damage. If damage can be seen, the product must be complained immediately.
-  The transport box must not be exposed to liquids (e.g. rain). Check the transport box for liquid damage or other damage upon delivery.

Maintenance

-  During maintenance work/cleaning work/fault finding on the NSHEV system, in order to avoid unintentional actuation/movements as a result of external control and travel commands, the energy supply must be interrupted, or removing the CO₂-bottles.
-  When re-piping, observe possible movements by pending pressure.
-  Maintenance must be carried out once a year by qualified personnel.
-  If the mounting is no longer functional, it must be completely replaced. Possible consequences may be a cessation of function or exposition of CO₂.

During maintenance, at least the following points must be checked:

- During the course of the annual maintenance, an inspection of the mechanical fixings must be carried out. Where necessary, these must be re-tightened using customary tools.
- Check that the exhaust hole is not dirty (clean if necessary).
- Inspection for freeness from dust (clean if necessary).
- Check whether the screw connection has become loose (tighten if necessary).


-  The valve may only be used in a normal atmospheric, non-corrosive environment, non-saline environment (e.g. not in thermal baths, waste management, etc.).
-  The valve must not be exposed to extreme temperatures or weather and is not suitable for storage and assembly outdoors.
-  No changes may be made to the valve and no valve components may be converted or removed. The valve must not be opened. The valve is then no longer operationally safe and may no longer be used.

Not in Scope of supply

Screw connections

Disposal

This product is made of steel and plastic.

-  This product must be disposed of in accordance with national regulations.