

Additional Safety Instructions for Valves and Accessories being used in a Potentially Explosive Atmosphere under ATEX 94/9

Reference

These are additional safety instructions to PED document numbers:

BBVDR-0001, BBVDR-0002, BBVDR-0003 and BBVDR-0005.

See also: <http://www.safetysystemsuk.com>

Marking

To be strictly in accordance with the requirements of ATEX 94/9/EC, and includes:

- CE and Epsilon X (EX Mark)
- Equipment Group II.
- Equipment Category (1, or 2 or 3, as label).
- Type of explosive atmosphere, GD.
- Notified Body Certificate number, where this is applicable.

Selection

- Ensure that the equipment is marked with the correct equipment group, category and type of atmosphere for the application and that the safety instructions are followed for each item of the equipment.
- In particular, all items included in an actuator package, including valve, actuator and all accessories should be CE marked to ATEX in the appropriate and / or requested category.

Installation

- The installer must only use tooling appropriate to the working area, see EN 1127-1 Annex A.
- Installation has to be carried out at ambient temperature.
- During installation ensure that no metallic shocks / impacts are made to the equipment or the adjacent pipework.
- Ensure that the equipment is suitably earthed, through the pipe or individually.
- The installer should thoroughly follow the operating and safety instructions provided for each individual item of equipment.
- When the valve is to handle hot fluids or fluids where exothermic reactions may take place, the end user must take all the necessary measures to ensure that the hot surface of the valve cannot provide a source of ignition to the surrounding gas, vapor, mist or dust atmosphere.
- Before putting into use or during operation with a dangerous fluid, ensure that no release of the fluid to atmosphere can take place.

Maintenance

- The operator must ensure that only personnel qualified to work in a potentially hazardous area are allowed to carry out maintenance appropriate to the category of the equipment in use.
- The end user must ensure that only tooling appropriate to the working area is used, see EN 1127-1 Annex A.
- All equipment must only be fitted with manufacturer's original spare parts.

Temperature Limits

The valve is not heat generating, the temperature is a function of the process fluid.

Temperature limits: See nameplate on valve.

Temperature Class	Maximum Surface Temperature (°C)
T1	450
T2	300
T3	200
T4	135
T5	100
T6	85