

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

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, G.

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.

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.
- 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.
- The end user should take into consideration the effects of lighting striking the operators and or control panel.
- The end user shall ensure that the control panel and electrical accessories are properly grounded.
- Power connections and wiring between the ITV control panel, accessories and the users equipment shall meet the appropriate ATEX category and type of atmosphere.

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.
- The operator air cylinders shall only be disassembled in a non-explosive atmosphere.
- All power should be disconnected before opening the flameproof enclosures of the solenoid valve and control panel.

Temperature Limits

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