

## Additional Safety Instructions for Valves and Accessories being used in a Potentially Explosive Atmosphere under European Directive 94/9/EC - ATEX.

### Reference

These safety instructions are according to the technical document SR\_ATEX\_01 as filed by DNV.

### Marking

Group II, Category 2, atmosphere G and D.

### Selection

Ensure that:

- the equipment is ATEX marked;
- the indication on the ATEX nameplate are according to the ATEX zone classification;
- the maximum metal temperature on the nameplate is according to the maximum allowed surface temperature due to the environment/operating conditions.

Verify the ATEX Marking information on the nameplate

1. The following are the standard ATEX information on the nameplate, for a correct use of our equipment:



**Ex II 2 G D c SR\_ATEX\_01 X**

- Ex symbol
- It means "Group II"
- It means "Category 2"
- It means "Suitable for Gas atmosphere (see Note)"
- It means "Suitable for Dust atmosphere (see Note)"
- It means "Manufacturing Safety Design"
- Technical file number
- It means "See O.S.I. for other relevant information"

The other following information shall be given, in the same nameplate or in a separate nameplate:

- name and address of the manufacturer
- designation of type/series
- serial number
- year of construction
- CE marking
- The temperature classification of valves is entirely dependant on the process fluid. If relevant, this must be established by the end user, not exceeding the maximum temperature marked on the nameplate.
- In presence of dangerous fluid, before starting the operation ensure that no release of fluid to the atmosphere can take place.



### Warning

Do not install the equipment in a closed, potentially explosive environment!!  
Do not modify any part of the equipment!!  
Do not install the equipment for use in Zone 0!!

### Installation

The end user shall perform the following checks:

- Use appropriate tooling to the working area, according to EN 1127-1, Annex A!
- Install the product at ambient temperature!
- Ensure that NO metallic shock or impacts are made to the equipment or to the adjacent pipework!
- Ensure that the equipment is suitably earthed!
- If applicable (i.e. in case an exothermic reaction could take place), appropriate measures shall be provided to avoid that the hot surfaces are potentially source of ignition of the surrounding environment!
- If the equipment is located in open areas without a good aeration, blow-down & venting shall be piped to a safe location!
- If the valve is supplied with a protective housing around the stem, venting of that housing shall be piped to a safe location!
- Should the actuator be suitable for different atmosphere conditions, the equipment valve + actuator shall be used ONLY in the more restrictive (conservative) conditions.