



RAIMONDI

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:
RAILT-0016, RAILT-0017, RAILT-0018 and RAILT-0019.

See also: www.pentair.com/valves

Marking

ATEX 94/9/EC, Group II, category 2, GD.

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.
- The temperature classification of valves is entirely dependent on the process fluid passing through the valve. If relevant, this must be established by the end user and must not exceed the maximum temperature rating of the valve, marked on the valves identification label.

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.

Tagplate reference

Pos. Description

1. Year of Construction
2. Valve Type
3. Nominal Diameter
4. ANSI Class
5. Body Material
6. Stem Material
7. Seat Face Material
8. Disc Face Material
9. Designed Code
10. Room Temperature
11. Pressure at Room Temperature
12. Pressure Shell Test
13. Min. Allowable Temperature
14. Pressure at Min. Allowable Temperature
15. Max Allowable Temperature
16. Pressure at Max. Allowable Temperature
17. Valve Tag
18. Serial Number
19. Differential Pressure

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.
- For valves with butt welding ends: welding and cutting operations shall be carried out in a safe working environment and with all relevant cautions.

9670-06	YEAR (1)	TYPE (2)	SIZE (3)	CLASS (4)	ΔP (19)
	BODY (5)	STEM (6)	SEAT (7)	DISC (8)	
	DES (9)	T (10)	P (11)	Shell Test (12)	
	⊕ T_{min} (13)	P (14)	T_{max} (15)	P (16)	⊕
	TAG (17)	S/N (18)			
MANUFACTURER: TYCO VALVES & CONTROLS ITALIA S.R.L. RAIMONDI MFG PLANT - RESCALDINA (MI)-ITALY					