Safety Instructions Booklet
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Hydratect 2462 (All Models)

Pressure Equipment Directive/Pressure Equipment Safety Regulation:

Safety Instructions

GB

Safety Information.
Hydratect Electronic Water in Steam Detection System

Pressure Equipment Directive (2014/68/EU) / Pressure Equipment (Safety) Regulation 2016 (Incl. Brexit amendments 2021)

These safety instructions are to be used in conjunction with the “Hydratect“ product manual

1. Hydratect manifolds pressure rating dependent upon construction material.

Manifold Material	Pressure Rating	Temperature Rating
SA106B	103 bar (1500psi)	420°C (788°F)
SA335 – P22	70 bar (1015psi) 100 bar (1450psi)	538°C (1000°F) 500°C (932°F)
SA312 – TP316	141 bar (2045psi)	560°C (1040°F)
SA335 – P91	152 bar (2204psi)	546°C (1015°F)

Under the Pressure Equipment Directive and the Pressure Equipment (Safety) Regulation 2016 (incl. Brexit amendments 2021), these products can be defined as safety accessories if used for that purpose and not only as level indication. If used for safety purposes,

It is the responsibility of the user / installer to assess the suitability of the product in the pressure equipment or system in whichit is used.

- Suitably trained personnel shall carry out the installation, both mechanical and electrical, in accordance with theapplicable local and national regulations and codes of practice for each discipline.
- Safe working practices for the media and process concerned are to be followed during the installation and maintenance of the equipment.
- If the equipment is likely to come into contact with aggressive substances, it is the responsibility of the user to take suitable precautions that prevent it from being adversely affected, thus ensuring that the type of protection, both mechanical and electrical, are not compromised.
- The equipment, both mechanical and electrical, must not be used as a support for other equipment or personnel.
- Both the mechanical and electrical content of the system must be protected from impact.

2. Pressure bearing fabrications and parts

2.1 All piping connections must conform to the local and national regulations and codes of practice.

2.2 The materials of construction must be suitable for the application. See Hydratect Operating Manual.

2.3 The pressure and temperature limits for this equipment are not exceeded, if necessary by the use of suitable safety accessories. See Hydratect Operating Manual.

2.4 Regular inspection for corrosion and wear are carried out, both internal and external.

2.5 The installed manifold is correctly mounted with hangars, etc. to ensure the mounting pipework is not bearing support loads applied by the manifold weight. See Hydratect Operating Manual.

2.6 All sizes of this product are designed and manufactured to comply with modules B+D of the Pressure Equipment Directive 2014/68/EU, the Pressure Equipment (safety) Regulation (Inc. Brexit amendments 2021) with modules B+D. They carry a CE and/or UKCA mark and have a Declaration of Conformance to show compliance with the directive.

2.7 This product is designed for use with liquids within Group 2.

2.8 Personnel are protected from burns by guards fitted to the equipment and limited access. Where practicable the equipment may be thermally lagged to increase efficiency. Allow time to cool prior to carrying out maintenance operations. This hazard is extremely important where operation is at the maximum temperature. It is recommended that HOT notices be fitted near the manifold installation.

2.9 Sensing electrodes must not be fitted until all installation work and final pre-commissioning checks are carried out. Do not remove blanking plugs until electrodes are fitted.

2.10 The user should not repair this equipment but general maintenance can be applied as described within the Hydratect Operating Manual.

2.11 The electronic steam / water detection system is only to be used with equipment that operates on water / steam that has a suitable water purity control. See Hydratect Operating Manual for water chemistry thresholds.

3. Electronic Equipment.

3.1 Wiring diagrams as shown within the instrument manual detail the wiring connections. Note that all wiring must conform to the local and national regulations and codes of practice.

3.2 The product and associated wiring must be protected from fire.

3.3 The user should not repair this equipment but general maintenance can be applied as described within the Hydratect Operating

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