

Fig 500T & Fig 501 HIGH LIFT

COMBINED PRESSURE & TEMPERATURE SAFETY VALVE

Installation

- Blow through all pipework before installing the valve.
- Ensure that the inlet and outlet connections of the valve are free from packing material.
- Check there will be no fouling of the element or flow restriction when the valve is installed.
- Attach the valve with temperature sensing element immersed within top 150mm of vessel.
- No valve or other restriction is to be placed between the relief valve and vessel.
- Fit outlet piping of equal or larger size than the valve outlet connection.
- Keep the outlet pipe as short as possible and ensure it is adequately supported with a continuous downward gradient.
- Direct outlet pipework to a safe visible point of discharge where there is no risk of injury to persons or damage to property in the event of the valve opening.
- The valves have been conformity assessed under module 'A' of the pressure equipment regulations and can be used on vessels that fall under category 1 requirements.

Testing

Test lever operation at a maximum of 3 monthly intervals to verify the valve is free to operate. It should be manually tested by slowly lifting the test lever a sufficient amount to allow a slight discharge of fluid. Thermal operation should also be checked periodically preferably in-situ or alternatively it can be removed and tested by immersing the thermostat in boiling water.

Maintenance

- De-pressurise the system and remove valve from line.
- Check for build up of deposits that could cause restriction of ports or damage to thermostat.
- Remove spring cover using spanner flats leaving spring adjustment intact.
- Clean seat and seat seal holder avoiding damage to the seat seal and valve seat.
- Replacing component parts or alteration to set pressure requires special tools and we recommend a factory repair or adjustment.
- Refit spring cover and test.
- Installation, testing and system certification should be carried out by a competent person.
- As physical placement of safety valve is out of control of supplier, responsibility for the aforementioned conditions (traffic, wind, earthquake, external loading) is passed on to the end user.

Only NABIC® approved spares are to be used therefore we therefore recommend it should be returned for repair or recalibration.

NOTE

This product should only be used on Category I or Sound Engineering Practices (SEP) applications, in accordance with the Pressure Equipment Directive 2014/68/EU.

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