

HIGH LIFT COMBINED PRESSURE & TEMPERATURE SAFETY VALVES

FIG 501 & FIG 500T SERIES

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.

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 97/23/EC.

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