



## Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

|                           |  |
|---------------------------|--|
| <b>Manufacturer</b>       | <b>Herose GmbH Armaturen und Metalle</b>   |
| <b>Address</b>            | Elly-Heuss-Knapp-Str. 12, Bad Oldesloe, 23843, Germany   |
| <b>Type</b>               | Safety Valves  |
| <b>Description</b>        | Angle type safety valve  |
| <b>Trade Name</b>         | 50051.0004   |
| <b>Application</b>        | As safety device for protection against thermal expansion in electrically or steam heated exchangers for vapours, gases and fluids specific for heavy oil and lubricants in the marine, offshore and industrial environment. |
| <b>Specified Standard</b> | AD-2000, Lloyd's Register Rules and Regulations for the Classification of Ships, 2022  |
| <b>Ratings</b>            | Size: G 1/2"<br>Set pressure: 6 – 15 bar<br>Temperature range: -10°C to +160°C   |
| <b>Other Conditions</b>   | Not to be used for boilers or steam generators   |

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This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

**Previous Version:** 92 / 20011 (E5)

The Design Appraisal Document HMD 8904-02, Issue No. 4 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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