
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.

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|---------------------------|--|
| Manufacturer | Wouter Witzel EuroValve B.V. |
| Address | Industrieterrein De Pol 12, Losser, 7581 CZ, Netherlands |
| Type | Air Operated Needle, Ball and Check Valves |
| Description | Non-return valve for marine and offshore piping systems |
| Trade Name | Eurocheck valve ECV |
| Application | Non-return valve for marine and offshore piping systems |
| Specified Standard | LR Rules and Regulations for Classification of Ships, July 2021 EN 558:2008, Series 16 (ISO 5752) EN 19: 2016 (ISO 5209) API 598 EN 12266-1:2012, P10, P11, P12, Rate A (ISO 5208) EN 16767: 2016 EN 1074-1 and EN-1074-3 LR Type Approval System Procedure TA 14 Version 04 (September 2020) |
| Ratings | See Appendix |
| Additional Tests | All relevant materials used (e.g. housing, disc) for pressure-retaining parts are to be tested and certified as per the "Rules for the Manufacture, Testing and Certification of Materials" or as allowed by Part 5, Chapter 12, 1.7.1 of the LR |

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Rules and Regulations. Final acceptance remains to be to the attending Surveyor's satisfaction

For use in applications where the design temperature is below 0 deg. C and for other applications where guaranteed impact properties are required, relevant materials

Other Conditions

In all cases, the materials of valve housing, disc, seat and gaskets are to be suitable for the proposed service and media

Valves are to be installed to manufacturer's instructions and the satisfaction of the attending Surveyor. The shaft must be in a vertical position when fitted in a horizontal pipe

See Appendix for further conditions

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: 17/30007

The Design Appraisal Document PRJ11100345291-2/JB and its supplementary Type Approval Terms and Conditions form part of this Certificate.