



Type Approval Certificate

This is to certify that Certificate no. 18/30042 for the undernoted product(s) is extended and renumbered as shown:

This certificate is issued to:

PRODUCER	ERIKS Flow Control Cypresbaan 63 2908 LT Capelle a/d IJssel The Netherlands
DESCRIPTION	ECON Premium Ball Valves, Fire Safe execution
TYPE	ECON fig. nos. 7422FS, 7442FS, 7522FS, 7542FS 7622FS, 7642FS, 7722FS, 7742FS
APPLICATION	Marine, Offshore and Industrial applications subject to the valves complying with LR Rules and Regulations for the particular services.
STANDARDS	API 607 - Seventh edition June 2016; Fire test for quarter turn valves with non-metallic seats ISO 10497 - third edition 2010-02-15 - Testing of valves – Fire type testing requirements.
RATING	ASME B16.5 - Class 600

Certificate No. 18/30042

Issue Date 08 March 2019

Expiry Date 07 March 2024

Sheet 1 of 3



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Lead Specialist
Machinery Design Appraisal
Rotterdam Technical Support Office

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OPERATIONAL LIMITATIONS

The limitations are based on Lloyd's Register July 2018 Rules and Regulations of the Classification of Ships.

The issue within the scope of this Type Approval shall not prejudice any future action that Lloyd's Register may wish to take regarding the use of the subject valves on board ship's or other applications.

Subject valves are considered acceptable for but limited to use in the following services on Ships Classed or intended for Classification with the Society, provided that in all cases the materials and scantlings of the valves are suitable for the intended conditions, the valves are being used in conjunction with a suitable actuator and that the valves are installed to the satisfaction of the attending Surveyor:-

1. Shiplide valves when fitted in machinery spaces:-
 - 1.1 The approval of the above valve types for use as shiplide valves is limited to those in machinery spaces and is not applicable to scuppers or similar fittings. Proposals to use the valves as ship-side valve outside machinery spaces will be specially considered.

Furthermore, for shiplide services, the valves should be made of an approved ductile material (elongation min. 12%) in accordance with the Rules for the Manufacture, Testing and Certification and should be made at an LR approved works

In all cases the materials and design should be suitable for the proposed service.

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Sheet 2 of 3



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- 1.2 The ball valve is to be i.e. welded to a weld neck flange in order to be bolted to the shipside connection in such a way that the section of pipe immediately inboard of the valve can be removed should this be necessary and damage to the hull in the nearby area of the valve will not result in flooding of the space in which subject valve is fitted,
2. Fire Main Isolating Valve.
3. Salt and Fresh Cooling Water Systems.
4. Water Ballast and Fresh Water Transfer Systems.
5. Cargo lines on oil tankers and as "in-line" valves on chemical tankers and liquefied gas tankers.
6. As suction valves on double bottom oil fuel tanks outside the machinery space (only when located in a closed pipe tunnel or duct keel)
7. Domestic Fresh and Salt Water Service.
8. Sanitary systems.
9. Inert gas systems.
10. Oil fuel systems as "in-line" valves.

This Type Approval does not include the consideration and acceptance of any operating gear for the control of these types of valves other than the hand lever as indicted on the plans.

"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."

The supplementary Type Approval Terms and Conditions form part of this Certificate.

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