



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.

This certificate is issued to:

PRODUCER	Wouter Witzel EuroValve B.V.
PLACE OF PRODUCTION	De Pol 12 7581 CZ Losser The Netherlands
DESCRIPTION	Resiliently seated wafer- (W201) and lugged (L201) type butterfly valves type ECONAXE
TYPE	W201 DN50 to DN400 (11 Sizes) L201 DN50 to DN400 (11 Sizes)
STANDARDS	ISO5752 / EN558 ISO5209 / EN19 ISO5208 / EN12266 / API598 ISO10631 / EN593 ISO10497 / API607 + FIRE TEST DRY CONDITIONS
RATINGS	PRESSURE : CLASS150 / PN6 / PN10 / PN16
APPLICATION	W201 & L201: <ol style="list-style-type: none">1. Subject wafer and lugged type butterfly valves are not allowed as either shipside valve or collision bulkhead valve irrespective of the system in which they are fitted.2. Bilge systems: for cargo ships only, as pump suction valve from the main bilge line subject to the valve being located in the

Certificate No. 17/30006 E1

Issue Date 19 September 2017

Expiry Date 05 March 2022

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immediate vicinity of the pump. The valve is to be fitted in conjunction with a metal seated non-return valve, which is to be on the bilge main side of the butterfly valve.

3. Ballast & heeling systems.
4. Oil fuel, lubricating- and hydraulic oil: only as suction valves on double bottom oil fuel tanks outside the machinery space (only when located in a closed pipe tunnel or duct keel)
5. Cargo system on liquefied gas carriers: LNG and LPG carriers as "in-line" valves.
6. Inert gas distribution lines where the valve is not located in enclosed space or accommodation area.
7. Cargo systems on oil- and as "in-line" valves on chemical tankers.
8. Domestic including potable water piping.
9. Sanitary systems.
10. Tank cleaning and stripping systems.
11. Compressed air piping; fire tested type in Category-A Machinery Space (according SOLAS).
12. Steam systems; feed water only.
13. Exhaust and scrubber systems; suitable materials for the valve body and seal are to be selected.
14. Cooling systems except ship side valves and in systems with a design temperature above 220°C.
15. Fire main isolating valve.

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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."

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