

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.

Manufacturer	Winteb B.V.
Address	Parallelweg 1, Winschoten, 9672 AW, Netherlands
Type	Air Vent Valve
Description	Air pipe automatic closing device a.k.a. tank check valve, with optional heating, with or without screen
Trade Name	WIKO 5000 Gooseneck
Application	Automatic closing appliance for air and overflow pipes for marine, offshore and industrial piping systems. Product available in two executions, the Inverted type, which is placed in between pipes with flanges (Type 1B) and the end of the line version, which is placed 'top down' (Type 1)
Specified Standard	LR Rules and Regulations for Classification of Ships, July 2021 LR Rules and Regulations for Classification of Special Service Craft, July 2021 LR Rules and Regulations for Classification of Mobile Offshore Units, July 2021 LR Rules and Regulations for Fixed Offshore Installations, July 2021 IACS Unified Requirements P3 (1991, Rev. 4, Jan 2016) LR Type Approval System Procedure TA14 Version 04 (September 2020)
Ratings	See Appendix

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Other Conditions

The vent check valve pressure drop / flow characteristic curves of the manufacturer shall be taken into consideration

The vent check valves are not to be used on cargo oil tanks

Powder-coated aluminium vent heads may be accepted on tankers classed by the Society as ballast tank air pipe closing appliances within the range of the cargo tanks, provided they comply with the remaining requirements of the Rules and are installed to the surveyor's satisfaction

The vent check valves may be delivered with heating arrangements and may be accepted on ships classed by the Society, provided the valves and their electrical heating system and heating control system comply with the applicable requirements of the Rules

Tank vent check valves with electrical heating arrangements fitted in hazardous areas are to be of an intrinsically safe design in compliance with the Rules

The electrical heating system and heating control system do not form part of this approval

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: 10/30002 (E1)

The Design Appraisal Document RTS-TA-PRJ11100366612 and its supplementary Type Approval Terms and Conditions form part of this Certificate.