



CERTIFICATE NUMBER

05-LD116537/1-PDA

DATE

23 July 2010

ABS TECHNICAL OFFICE

London Engineering Department

# CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of  
**WINTEB V.O.F. - Winschoten**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Air Pipe, Vent Head

MODEL: WIKO 5000, Type 1 and type 1-A

ABS RULE: 2010 Steel Vessel Rules 1-1-4/7.7, 4-6-4/9.3.5 and 4-6-4/9.3.7

OTHER STANDARD IACS Unified Requirements P3 (1991, Rev 2 March 2004);

AMERICAN BUREAU OF SHIPPING

  
Mohammed K.M. Abbas  
Engineering Type Approval Co-ordinator

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

**WINTEB V.O.F.**

P. O. Box 156  
Winschoten  
9670 AD  
Netherlands  
Telephone: 31-597412252  
Fax: 31-597420494

**MA Certificate No.** 06-RO729489-X

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**Product:** Air Pipe, Vent Head

**Model:** WIKO 5000, Type 1 and type 1-A

**Intended Service:**

Automatic closing tank air vent heads

**Description:**

Tank air vent check valves having float balls & with and without screen. Materials: Casing - seawater resistant aluminium to DIN 1725; Polyethylene float balls; Nitrile rubber o-rings; Stainless steel 18 mesh screens.

**Ratings:**

Type 1-A for pipe diameters 50, 65, 80, 100, 125, 150, 200, 250, 300, 350 and 400 mm.

Type 1 for pipe diameters 300, 350 and 400 mm

**Service Restrictions:**

1. Not suitable for cargo tanks on tank vessels.
2. Unit Certification is not required for this product. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances must be clearly defined.

**Comments:**

1. Flame screens are required for fuel oil tank vents, and, vents fitted to cofferdams and ballast tanks adjacent to cargo tanks on oil carriers.
2. The air pipe closures have been tested satisfactorily with flame screens.

**Notes / Drawings / Documentation:**

- 1) Hochschule Bremen University of Applied Sciences Test report n No. WINTEB 2005/1
- 2) This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product. Use in a non-classed vessel, MODU or Facility is to be to the satisfaction of the manufacturer and purchaser.

**Term of Validity:**

This product/model is covered under Product Design Assessment (PDA) Certificate # 05-LD116537/1-PDA, dated 23/Jul/2010. This PDA Certificate remains valid until 22/Jul/2015 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

**STANDARDS****ABS Rules:**

2010 Steel Vessel Rules 1-1-4/7.7, 4-6-4/9.3.5 and 4-6-4/9.3.7

**National:**

NA

**International:**

NA

**Government Authority:**

NA



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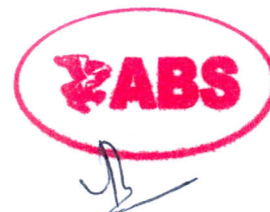
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**EUMED:**

NA

**Others:**

IACS Unified Requirements P3 (1991, Rev 2 March 2004)





# CERTIFICATE OF MANUFACTURING ASSESSMENT

**This is to certify that a representative of ABS did, at the request of  
WINTEB V.O.F**

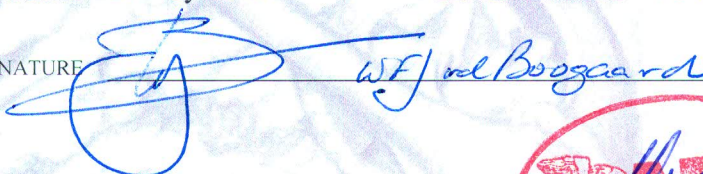
attend its facilities on the date and location stated, in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing a product which meets the designated standards, subject to annual facility surveys by a representative of ABS and renewal of this Certificate after five (5) years.

PRODUCT DESCRIPTION AIR PIPE VENT HEADS

ISSUE DATE 12 July 2011

EXPIRATION DATE 11 July 2016

SURVEYOR'S SIGNATURE





FIRST ANNUAL ENDORSEMENT

06.08.2012



SECOND ANNUAL ENDORSEMENT

THIRD ANNUAL ENDORSEMENT

FOURTH ANNUAL ENDORSEMENT