



CERTIFICATE NUMBER

14-GD1224154-PDA

DATE

19 September 2014

ABS TECHNICAL OFFICE

Gdynia Engineering Department

# CERTIFICATE OF DESIGN ASSESSMENT

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

PRODUCT: **Air Pipe, Vent Head**

MODEL: **WIN2000 Type 1**  
**WIN2000 Type 1-B**  
**WIN2000 HIAS (High Inlet Air Speed)**

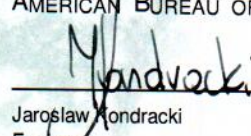
This Product Design Assessment (PDA) Certificate 14-GD1224154-PDA, dated 19/Sep/2014 remains valid until 18/Sep/2019 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

  
Jaroslaw Kondracki  
Engineer



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 application/certificate is governed by the "Terms and Conditions of the Request for Product Type Approval and Agreement" as contained in the ABS Rules.

## WINTEB

P.O. BOX 156  
WINSCHOTEN  
9670 AD  
Netherlands  
Email: info@winteb.com  
Web: www.winteb.com



**MA Certificate No.** 11-RO2013928-X1 **Tier:** 3

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**Product:** Air Pipe, Vent Head  
**Model:** WIN2000 Type 1  
WIN2000 Type 1-B  
WIN2000 HIAS (High Inlet Air Speed)  
WIN2000 HEATED

### Intended Service:

An automatic closing vent head is intended for mounting on tank venting pipes.

### Description:

Tank air vent automatic closing device (vent head) with float ball & with and without flame screen consisting of the following main components:

- Casing with material options: Seawater resistant aluminium to DIN 1725; Stainless Steel; GG-25 to DIN 1691; GGG-40 to DIN 1693; G-CuAl10Ni to DIN 1725; CuNi10Fe to DIN 1714; G-CuSn10Zn to DIN 1705; G-CuZn33Pb to DIN 1709.
- Polyethylene float ball;
- NBR gasket;
- Stainless steel flame/insect screen.

Additionally, an air vent head is available with heating element.

### Ratings:

WIN2000 Type 1 & WIN2000 Type1 HEATED:

50(2"), 65 (2 1/2"), 80(3"), 100(4"), 125(5"), 150(6"), 175(7"), 200(8"), 250(10"), 300(12"), 350(14"), 400(16"), 450(18") and 500(20").

WIN2000 Type 1-B & WIN2000 Type 1-B HEATED:

50(2"), 65 (2 1/2"), 80(3"), 100(4"), 125(5").

WIN2000 HIAS & WIN2000 HIAS HEATED:

50(2"), 65 (2 1/2"), 80(3"), 100(4"), 125(5"), 150(6"), 175(7"), 200(8"), 250(10"), 300(12"), 350(14"), 400(16") 450(18") and 500(20").

### Service Restrictions:

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

### Comments:

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. Flame screens are required for fuel oil tank vents and vents fitted to cofferdams and ballast tanks adjacent to cargo tanks on oil carriers.
3. The air pipe closures have been tested satisfactorily with flame screens.

### Notes / Drawings / Documentation:

1. WIN2000 General Drawing No. WIN2000-01 Revision N
2. Winteb WIN2000 HEATED Brochure
3. WIN2000 Heated General Drawing No. WIN2000HEATED-01 Revision G
4. Winteb WIN2000 HIAS Brochure.
5. Flow tests report WIN2000 HIAS DN350 - DN500
6. Tightness test report for WIN2000 HIAS DN65 - DN250
7. Flow tests reports WIN2000 HIAS DN50 - DN350
8. Inlet air speed test reports WIN2000 type 1 DN50 - DN450
9. Inlet air speed test reports WIN2000 type 1-B DN50 - DN125
10. Inlet air speed test reports WIN2000 HIAS DN50 - DN500

**WINTEB**

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10. Inlet air speed test reports WIN2000 HIAS DN50 - DN500

**Term of Validity:**

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

Steel Vessels (2014) 1-1-4/7.7, 1-1-Appendix 3 & 4, 4-6-4/9.3  
Steel Vessels Under 90 Meters (295 Feet) in Length (2014) 1-1-4/7.7, 1-1-Appendix 3 & 4, 4-4-3/9.9  
Offshore Support Vessels (2014) 1-1-4/7.7, 1-1-Appendix 3 & 4, 4-6-4/9.3.5, 4-6-4/9.3  
Aluminum Vessels (1975) 1-1-4/7.7, 1-1-Appendix 3 & 4, 32.1  
Steel Vessels for Service on Rivers and Intracoastal Waterways (2014) 1-1-4/7.7, 1-1-Appendix 3 & 4, 4-3-3/7  
Mobile Offshore Drilling Units (2014) 1-1-4/9.7, 1-1-Appendix 2 & 3, 4-2-3/1.9  
High-Speed Craft (2014) 1-1-4/11.9, 1-1-Appendix 2 & 3, 4-4-3/9.9  
Steel Barges (2014) 1-1-4/7.7, 1-1-Appendix 3 & 4, 4-1-2/5.1

**National:**

NA

**International:**

IACS Unified Requirements P3 Air Pipe Closing Devices (Rev.3 Nov 2012)

**Government Authority:**

NA

**EUMED:**

NA

**Others:**

NA



CERTIFICATE NUMBER: 16-RO3161436

PORT OFFICE: Rotterdam

# Certificate of MANUFACTURING ASSESSMENT

This is to certify that: The Undersigned did evaluate the relevant manufacturing quality procedures for the type of products of the manufacturer:

**WINTEB Plant at Winschoten, the Netherlands**

The methods of assuring and controlling quality during production as required by the ABS Rules or Guides for the product and the associated specifications or standard were verified to reflect the specific surveys, required by the Rules and Standards for the manufacture of:

## Air Pipe Vent Heads

The manufacturer presented a sample or specimen of the product, representative of the "type" approved, to the undersigned, for the purpose of verifying that the "type" has been manufactured in conformance with the Manufacturer's Product Design Assessments.

This Certificate of Manufacturing Assessment is an evaluation of the manufacturer alone and is neither an approval nor a rejection of the product described above. Unless cancelled, expired or revoked, this certificate remains valid subject to annual audits

Consult the ABS Type Approval website to confirm the continued validity of this certificate and the status of the particular products being manufactured.

ISSUE DATE 7 July 2016

EXPIRATION DATE 7 July 2021



SURVEYOR

E.J.M. Mierop

FIRST ANNUAL ENDORSEMENT  
SECOND ANNUAL ENDORSEMENT  
THIRD ANNUAL ENDORSEMENT  
FOURTH ANNUAL ENDORSEMENT

Note: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.