



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


Jarosław 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

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

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

10. iniet air speed test reports WIN2000 HIAS DIN50 - DIN500

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
11-RO2013928-X1

PLANT LOCATION
Winschoten, The Netherlands.

PORT OFFICE
Rotterdam, The Netherlands.

CERTIFICATE OF MANUFACTURING ASSESSMENT

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

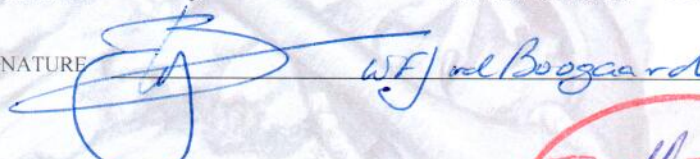
attend its facilities on the date and location stated, in order to carry out a survey of the facilities and associated quality procedures. The facility is considered capable of manufacturing a product which meets the designated standards, subject to annual facility surveys by a representative of ABS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


W.F.J. de Booggaard



FIRST ANNUAL ENDORSEMENT

06.08.2012

SECOND ANNUAL ENDORSEMENT

17.09.2013

THIRD ANNUAL ENDORSEMENT

10 October 2014

FOURTH ANNUAL ENDORSEMENT



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