



Confirmation of Product Type Approval

Company Name: JOHN GJERDE AS

Address: GJERDSVIKVEGEN 313 N-6083 Norway

Product: Air Pipe, Closure

Model(s): Aero 1.1, 1.2, 1.3, 1.4, 1.5, 1.6

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	19-HS1917091-PDA	31-OCT-2019	30-OCT-2024
Manufacturing Assessment (MA)	20-4266326	05-MAY-2020	04-MAY-2025
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3

Intended Service

For air vents on water, ballast, fuel, and lube oil tanks.

Description

Float type air closing device.

Ratings

Sizes for Aero 1.1, 1.2, 1.3, 1.4 and 1.5: DN 40, 50, 65, 80, 100, 125, 150, 200, 250, 300, 350, 400, 450, 500, 600 mm

Sizes for Aero 1.6: DN 40, 50, 65, 80, 100, 125, 150, 200, 250, 300, 350, 400 mm

Service Restrictions

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.

Comments

1) The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

2) Air pipe internal diameter is to be equal to the same of subject head. DN50 air pipe head is not to be used for oil tanks unless the volume of the oil tank is less than 1 cubic meter in accordance with 4-6-4/9.3.3 of the ABS Marine Vessels Rules.

3) Vent outlets from fuel oil tanks are to be fitted with corrosion resistant flame-screens. Either a single screen of corrosion-resistant wire of at least 12 by 12 mesh per linear cm (30 by 30 mesh per linear

inch), or two screens of at least 8 by 8 mesh per linear cm (20 by 20 mesh per linear inch) spaced not less than 13 mm (0.5 inch) nor more than 38 mm (1.5 inch) apart are acceptable. The clear area through the mesh of the flame-screen is to be not less than the required area of the vent pipe specified in 4-6-4/9.3.3 as required by 4-6-4/9.3.5.b.i of the ABS Marine Vessels Rules.

Notes, Drawings and Documentation

Drawing No. 1.1 1.3-1.4, CA, Revision: -, Pages: 1-9

Drawing No. 1.2-1.5, Flow CA, Revision: -, Pages: 1-9

Drawing No. 1.6, Characteristics Aero, Revision: -, Pages: 1-9

Drawing No. 2012, IACS's, Revision: -, Pages: 1-5

Drawing No. A1S00001, Tank Vent, Revision: -, Pages: 1

Drawing No. A2S00001, TV with Overflow, Revision: -, Pages: 1

Drawing No. A3S00001, TV with Closing Device, Revision: -, Pages: 1

Drawing No. A3S00002, TV-PV for inert, Revision: -, Pages: 1

Drawing No. A4S00001, TV with Sounding Cap, Revision: -, Pages: 1

Drawing No. A5S0000, TV with Elbow, Revision: -, Pages: 1

Drawing No. A6S00001, Inverted Tank Vent, Revision: -, Pages: 1

Drawing No. AERO, Report Float test, Revision: -, Pages: 1-2

Drawing No. AERO 1.1 (1.3-1-4), T Test, 1-14 pgs, Revision: -, Pages: 1

Drawing No. AERO 1.2 (1.5), TTest, 1-14 pgs, Revision: -, Pages: 1

Drawing No. AERO 1.6, Tightness Tight, 1-11 pgs, Revision: -, Pages: 1

Drawing No. AERO-Test, Report Flow, Revision: -, Pages: 1

Drawing No. AOS00001, Tank Vent Check Valve, Revision: -, Pages: 1

Drawing No. Aero 1, B-flow Test, Revision: -, Pages: 1-5

Drawing No. Aero 1.1 1.3-1.4, B Test, Revision: -, Pages: 1-5

Drawing No. Aero 1.2(1.5), Backflow Test, Revision: -, Pages: 1-5

Drawing No. John Gjerde Scanner_20191010_063505;1-4, Certificate, Revision: -, Pages: 1/4

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 30/Oct/2024 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

ABS Rules for Building and Classing Marine Vessels (2019): 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-6-4/9.3.3, 9.3.5, 9.3.7

ABS Rules for Building and Classing Mobile Offshore Units (2019): 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-2-3/1.7, 1.9

International Standards

NA

EU-MED Standards

NA

National Standards

IACS 2016 Requirements P3

Government Standards

NA

Other Standards

NA



A handwritten signature in blue ink, appearing to read "Joseph W. ...".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 09-Jul-2020 7:22

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.