



CERTIFICATE NUMBER  
15-HS1341476-PDA

DATE  
16 Apr 2015

ABS TECHNICAL OFFICE  
Houston SED Machinery - Piping  
& Electrical Sys.

# CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of  
**ROBERT H. WAGER CO., INC.**

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: **Vent, Check Valve**

Model: **1350-H**

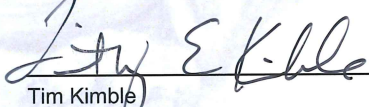
This Product Design Assessment (PDA) Certificate 15-HS1341476-PDA, dated 16/Apr/2015 remains valid until 15/Apr/2020 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

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

  
\_\_\_\_\_  
Tim Kimble  
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 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).

**ROBERT H. WAGER CO.**  
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Web: www.wagerusa.com

**Tier: 2 - PDA Issued**

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**Product:** Vent, Check Valve

**Model:** 1350-H

**Intended Service:**

Marine & Offshore Application - Automatic Closing Tank Vent Valves

**Description:**

Horizontal In-Line Vent Check Valve

**Rating:**

Size 14 inch.

**Service Restriction:**

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.

Media carried in the tank is to be compatible with the Closure and Seat Material.

For Fuel Oil Tanks, Flame Screens are to be in compliance with SVR 4-6-4/9.3.5 (b)(i) of the Rules.

**Comments:**

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

To be installed in accordance with all applicable requirements specified in 4-6-4/9 of the Rules and 46CFR56.50-85;

**Notes/Drawing/Documentation:**

Drawing No. 14-1350FSG-H, 14" Horizontal Inline Valve, Flanged, Galvanized, Revision: -, Pages: 1

Drawing No. FLT-18SS, 18" Full Ball Float 316 SS, Revision: -, Pages: 1

Test Report No. 14-1350FSG-H; Pressure Drop Test Report, Revision: 3/16/2015; Pages: 1

Test Report No. 14-1350FSG-H; Tightness Test Report, Revision: 3/16/2015, Pages: 1 & 2

Test Report No. 14-1350FSG-H Vacuum Test Report, Revision 3/9/2015: -, Pages: 1

Test Report No. Flt-18-SS-001; Impact Test Report - Metallic Floats, Revision: 02/25/2015, Pages: 1

Document No. WI-PD Test-01 (Pressure Drop Test Instruction) Revision B (11/20/2014), Pages: 1

Document No. WI-Tightness Test-01 (Tightness Test Instruction) Revision C (11/20/2014), Pages: 1 To 4

Document No. WI-Vacuum Test-01 (Vacuum Test Instruction) Revision B (10/06/2014), Pages: 1

Document No. WI-Impact Test-01 (Impact Test Instruction) Revision B (03/01/2011), Revision: B (03/01/2011), Pages: 1 & 2

**Terms of Validity:**

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**STANDARDS**

**ABS Rules:**

Steel Vessels Rules (2015): 1-1-4/7.7, 1-1-A3 & A4, 4-6-4/9.3.5, and 4-6-4/9.3.7;  
Rules for Building and Classing Mobile Offshore Drilling units (2015): 1-1-4/9.7, 1-1-A2 & A3 and 4-2-3/1.9;

**National:**

NA

**International:**

IACS Unified Requirements P3 (Rev. 3, dated 3 March 2012).

**Government:**

46 CFR 56.50-85(a)(7) (USCG Approval Pending)

**EUMED:**

NA

**OTHERS:**

Manufacturer's Specifications