



CERTIFICATE NUMBER
18-HG1702502-PDA

DATE
05 Jan 2018

ABS TECHNICAL OFFICE
Hamburg Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of
TRAFAG AG

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: **Pressure Switch**

Model: **"VARI-PRESSOSTAT" 903, 907, 915, 940, 941, 942**

This Product Design Assessment (PDA) Certificate 18-HG1702502-PDA, dated 05/Jan/2018 remains valid until 04/Jan/2023 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

Ulf Numirski
Engineer/Consultant

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).

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Web: www.trafag.com

Tier: 2 - PDA Issued

Product: Pressure Switch
Model: "VARI-PRESSOSTAT" 903, 907, 915, 940, 941, 942
Intended Service:
Pressure control, alarm and monitoring functions for marine applications.

Description:
Bellow type sensor.
Adjustable switching differential.
Switching point calibration for decreasing pressure.

Rating:
Measuring ranges: -0.9...1.5 to 4...40 bar.
Output: Floating change-over contact.
Repeatability: +/-1.0% FS typ.
Scale accuracy: +/-2.0% FS typ.
Ambient temperature: -20°C to 70°C.
Medium temperature: -40°C to 150°C.
Degree of Protection: IP 65, IEC 60529

Service Restriction:
Unit Certification is not required for this product. If the manufacturer or purchaser's 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:
The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:
Drawing No. 915, Test Report, Trafag AG, 04/02/1994, Revision: -, Pages: 1
Drawing No. H72257r, Data Sheet/ Dimension Drawing, Revision: -, Pages: 1

Terms of Validity:
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STANDARDS

ABS Rules:
2018 Steel Vessel Rules 1-1-4/7.7, 1-1-Appendix 3 and 4, 4-8-3/1.7, 4-8-3/1.11.1, 4-8-3/1.17, 4-9-8/13.1

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Tier: 2 - PDA Issued

National:
NA

International:
N.A.

Government:
NA

EUMED:
NA

OTHERS:
NA