



CERTIFICATE NUMBER

DATE

06-HG176370-2-PDA

17 March 2014

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 - CH-8608 BUBIKON

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 Transmitter**

MODEL: **8264, 8298**

This Product Design Assessment (PDA) Certificate 06-HG176370-2-PDA, dated 17/Mar/2014 remains valid until 16/Mar/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

Efstratios Maliatsos
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).

TRAFAG AG

INDUSTRIESTRASSE 11
CH-8608 BUBIKON
Switzerland
Email: trafag@trafag.com
Web: www.trafag.com

MA Certificate No. 12-MF2216813-X

Product: Pressure Transmitter

Model: 8264, 8298

Intended Service:

Pressure control, alarm and monitoring functions all marine applications on AMS, ACC, ACCU, ABCU classed vessels.

Description:

Housing made of material 1.4548/ AISI630 or 1.4301/ AISI304.
Sensor consisting of a thin film layer on steel, material 1.4548/ AISI630.
O-ring of model 8264 made of NBR.
O-ring of model 8298 made of FKM 70°Sh.
Electrical connection acc. to DIN 43650-A/ EN 175301-803-A.
Process connections: G1/4", G1/8", M10x1.0, female, for models 8264 and G1/4", R1/4", male, for models 8298.

Ratings:

Pressure ranges (bar): from 0...2.5 to 0...400 for models 8264 and from 0...2.5 to 0...2500 (customized low pressure ranges +/-70 mbar...+/-1 bar) for models 8298.
Supply voltage: 9 V to 32 V, DC (nominal 24 V).
Output: 4...20 mA, DC, 0.5...4.5 VDC (for type 8298).
Ambient temperature: -40°C to 100°C for models 8264 and -40°C to 125°C for models 8298.
Max. temperature of media: 135°C for models 8298.
Degree of protection: IP 65 (connector), IP 69K (cable).

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:

Not Applicable.

Notes / Drawings / Documentation:

This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

Term of Validity:

This Product Design Assessment (PDA) Certificate 06-HG176370-2-PDA, dated 17/Mar/2014 remains valid until 16/Mar/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.

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STANDARDS

ABS Rules:

TRAFAG AG

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Switzerland
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MA Certificate No. 12-MF2216813-X

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. The Rules applicable to this assessment are: 2014 Rules for Building and Classing Steel Vessel 1-1-4/7.7, 1-1-Appendix 3, 4-8-3/1.7/1.11,1.17, 4-9-8/13.1

National:

None

International:

None

Government Authority:

None

EUMED:

None

Others:

None