

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Level Indicator**

with type designation(s)
PAPS 307 Series

Issued to

Panasia Co., Ltd.
Busan Busan, Republic of Korea

is found to comply with

DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Air purge type Level Indicating system

Temperature D

Humidity B

Vibration B

EMC

Enclosure Generally:C Purge Head:D

Issued at **Busan** on **2017-09-14**

This Certificate is valid until **2022-06-30**.

for **DNV GL**

DNV GL local station: **Gimhae Station**

Approval Engineer: **Baeg Soon Choi**

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Michael Jost Auf der Stroth
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-006930-13**
Certificate No: **TAA00001DV**

Product description

PAPS-307 Series consisting of:

Flow regulator	
Level Indicator	
Air purge head	5K 20A or 25A
Air purge tank	SUS 304 or 316

<i>Mechanical specifications</i>	
1. Max working pressure:	4 kg/cm ²
2. Max working temperature:	120 °C
3. Air supply	7 kg/cm ²

Type Approval documentation

Tests carried out

According to DNVGL Guidance DNVGL-CG-0339 Nov 2016 (Dry heat, Humidity, Inclination and Vibration Tests)

Periodical assessment

The scope of the retention/renewal survey is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the survey are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Retention survey is to be performed at least every second year and at renewal of this certificate.

END OF CERTIFICATE