

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Dial Level Gauge**with type designation(s)
HB-SPCG-F150, HB-SPCG-F150S

Issued to

Nantong Jiuzhou Ship Mechanical Fittings Co., Ltd.
NANTONG, JIANGSU, Chinais found to comply with
DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems**Application :****Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.**

Type:	Max. working press.:
HB-SPCG-F150	1 bar
HB-SPCG-F150S	1 bar

Issued at **Hamburg** on **2019-06-24**This Certificate is valid until **2024-06-23**.for **DNV GL**DNV GL local station: **Nantong**Approval Engineer: **Christian Kaemmer**

Olaf Drews
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.



Product description

The dial level gauge allows to indicate the level of liquids in tanks. The main components of the dial level gauge are: indicating meter, capillary, flange, palte, sheath stop valve and sensor.

Application/Limitation

The dial level gauge is approved for water, lubricating oil, flammable liquids and fuel-oil of flash point over 65°C for tanks above double bottom. The dial level gauge is not to be used on fuel-and oil tanks on passenger ships. For the use on tanks containing flammable liquids the dial level gauge is to be provided with self-closing shut-off devices at each end and is to be protected against mechanical damage.

Temperature range:

- 10°C up to +120°C for transmitter
- 40°C up to +60°C for indicator meter

Maximal working pressure:

1 bar / 0.1 MPa

Materials:

- Sheath and Capillary : AISI 304
- Bolt, Palte and Flange : Q235A

Type Approval documentation

Tests carried out

Marking of product

For traceability to this type approval, each level gauge is to be marked with:

- manufacturer's name or trade mark
- Type
- Nominal pressure

Periodical assessment

For retention of the Type Approval, a DNV GL Surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the Type Approval are complied with. Refer to DNVGL-CP-0338, Sec.4.