

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Pressure Gauge

with type designation(s)
DPGS40TA

Issued to

WIKA Alexander Wiegand SE & Co. KG
Klingenberg a. Main, Bayern, Germany

is found to comply with
DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems

Application :

Product approved by this certificate is accepted for installation on all vessels classed by DNV GL.

Temperature range: -10°C ... +70°C (ambient), -10°C ... 90°C (medium)

Max. working press.: 0 ... 10 bar Differential Pressure / 25 bar Working Pressure

Sizes: NS100

Issued at **Hamburg** on **2020-03-30**

This Certificate is valid until **2025-03-29**.

DNV GL local station: **Essen**

for **DNV GL**

Approval Engineer: **Christian Kaemmer**

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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

Differential pressure gauge with integrated working pressure indication and micro switches.

Pressures p_1 and p_2 act on two media chambers separated by diaphragm, this leads to an axial deflection of the diaphragm against the measuring range springs. The deflection is transmitted to the movement and to the leaf springs of the microswitches.

Technical Data

Size	NS: 100 mm differential pressure gauge; 22 mm working pressure gauge.
Accuracy	Differential pressure indication < 2,5% of span, optional $\pm 1,6\%$ Working pressure indication < 4% of span
Working pressure	25 bar max.
Temperature range:	-10°C ... +70°C (ambient), -10°C ... +90°C (medium)
Media chamber	Aluminium-or Stainless steel case.

Application/Limitation

The pressure gauge is type approved for monitoring and control of filters, compressors, pumps and other machinery components like marine boilers, heat transfer systems, pressure vessels, bilge-water collection, sanitary and cooling-water systems, pressure boosting systems, heating and cooling systems, fire-extinguishing systems.

The selection of the pressure gauge type premises that the pressure medium is not corrosive against wetted parts.

Only products bearing the DNVGL Mark on the product and/or product packing are certified.

Type Approval documentation

Marking of product

- Manufacturer
- Manufacturing no.

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 the Class Programme DNVGL-CP-0338, Sec.4.