

ALL STAINLESS PRESSURE GAUGE WITH DIAPHRAGM SEAL

CLAMP CONNECTION

TYPE PG221M-S1F

PG221M-S1F series pressure gauge is for heavy industrial applications where the media or the environment contains chemically aggressive substances. The gauge is filled with liquid for dampening mechanical vibrations.

Diaphragm seal is used to protect the pressure measuring instrument from:

- aggressive
- adhesive
- crystallising
- corrosive
- highly viscous
- environmentally hazardous or toxic media.

The diaphragm will be loaded with the process pressure on one side and elastically deflects from its normal position. This way is proportional to the applied pressure and will be transmitted to a rotary geared movement. The movement carries a pointer and indicates the pressure on a dial with 270° angle.

Process connection

Clamp connection per DIN 32676. Connection to the measuring instrument: Direct assembly (calibrated in vertical mounting position, process connection facing downwards). After installation of pressure gauge cut off the venting plug. Only mount using the correct open-jawed wrench, and do not twist the device itself.

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Reference number: C 71338, kept by the Regional Court in Brno, Czech Republic

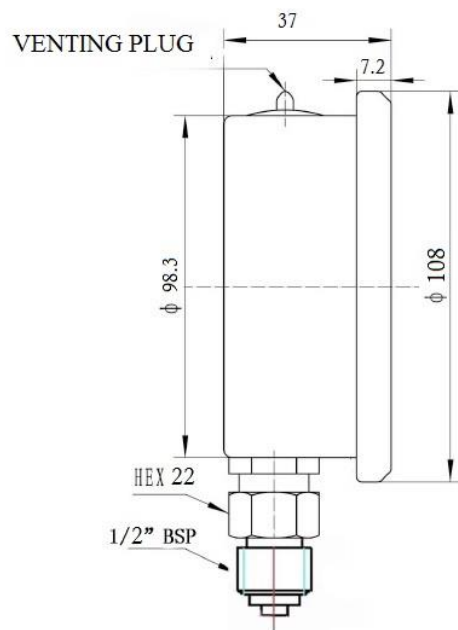


SPECIFICATIONS OF LIQUID FILLABLE GAUGE WITH DIN BAYONET RING



- Material of case DIN 1.4301 (AISI 304), material of movement DIN 1.4301 (AISI 304), wetted parts DIN 1.4401 (AISI 316) bourdon tube and connection.
- TIG welding between case and connection.
- Standard filling: glycerin
- Window: laminated safety glass
- Scale Range, according to EN 837-1/5:
0-2,5 bar/0-6 bar/0-10 bar
- Connection BSP 1/2"
- Nominal size: 4"
- Ambient temperature: -40 °C až 60 °C
- Medium temperature: -20 °C až 200 °C
- Accuracy CL 1.6%

DIMENSION OF PRESSURE GAUGE



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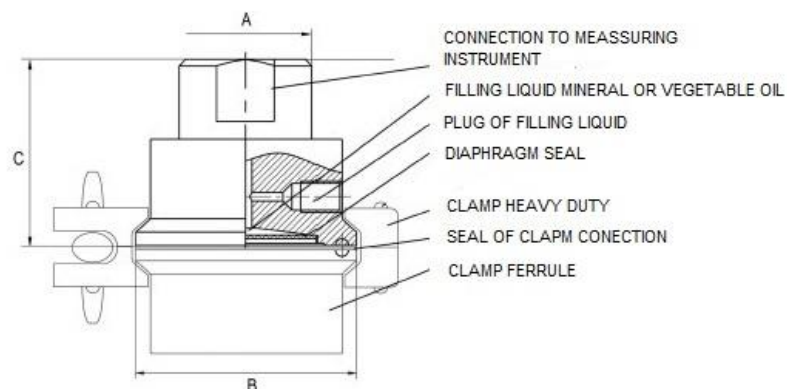


SPECIFICATIONS OF DIAPHRAGM SEAL DCS301



- Clamp connection per DIN 32676
- Connection to measuring instrument:
Axial weld-in connection BSP 1/2"
- Material of wetted part diaphragm:
DIN 1.4404 (AISI 316L)
- Material of upper body:
DIN 1.4301 (AISI 304)
- Filling liquid:
mineral or vegetable oil
- Measuring range:
0–60 bar
- Medium temperature: -45 °C ...150 °

DIMENSION OF DIAPHRAGM SEAL DCS301



TYPE	DN	A	B (mm)	C (mm)	WEIGHT (kg)
DCS 301 (DIN 32676)	DN40	G½	50.5	42.5	0.325
	DN40	G¾	50.5	42.5	0.325
	DN50	G½	64	42.5	0.450

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APPLICATIONS

- Food and beverage production
- Pharmaceutical industry, biotechnology
- Aseptic applications

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