

---

## 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.

WATER4LIFE s.r.o.  
Prušánky 352  
696 21 Prušánky  
Czech Republic  
E-mail: [info@water4life.cz](mailto:info@water4life.cz)  
Tel: +420 518 374 614  
Fax: +420 518 374 616  
VAT number: CZ 29289971



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

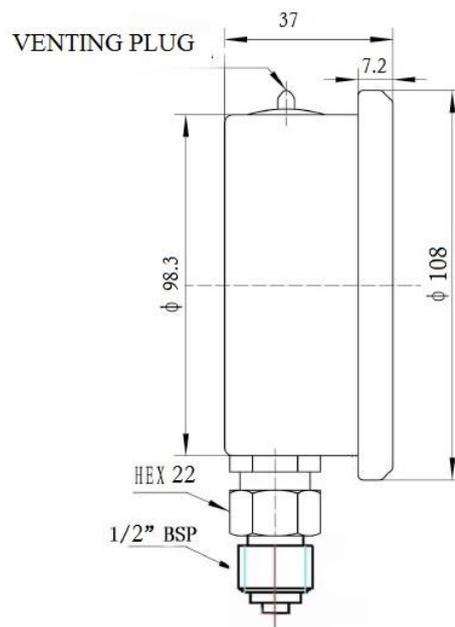
---

## SPECIFICATIONS OF LIQUID FILLABLE GAUGE WITH DIN BAYONET RING



- Material of case DIN 1.4301 (AISI 304),  
materiál 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



WATER4LIFE s.r.o.  
 Prušánky 352  
 696 21 Prušánky  
 Czech Republic  
 E-mail: info@water4life.cz  
 Tel: +420 518 374 614  
 Fax: +420 518 374 616  
 VAT number: CZ 29289971

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

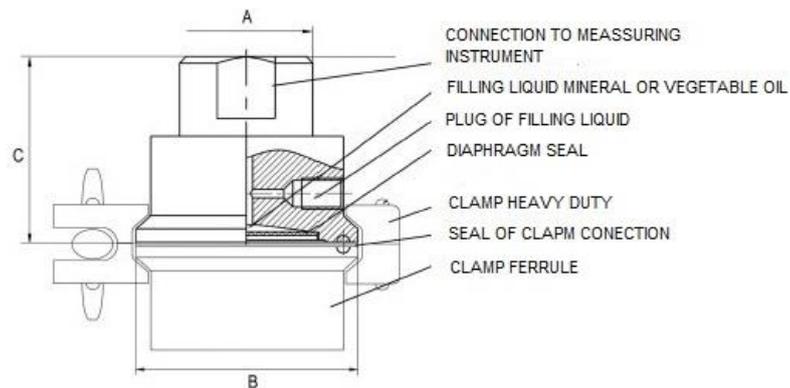


SPECIFICATIONS OF DIAPHRAGM SEAL DCS301



- 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	G¼	50.5	42.5	0.325
	DN50	G½	64	42.5	0.450

WATER4LIFE s.r.o.  
 Prušánky 352  
 696 21 Prušánky  
 Czech Republic  
 E-mail: info@water4life.cz  
 Tel: +420 518 374 614  
 Fax: +420 518 374 616  
 VAT number: CZ 29289971



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

#### APPLICATIONS

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

WATER4LIFE s.r.o.

Prušánky 352

696 21 Prušánky

Czech Republic

E-mail: [info@water4life.cz](mailto:info@water4life.cz)

Tel: +420 518 374 614

Fax: +420 518 374 616

VAT number: CZ 29289971

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

