



Hermetically sealed

Diaphragm Pressure Gauge PCh 100-3 DG

for sterile process technology

To meet the special requirements towards the process connections especially in the sector of the food and pharma industries we have extended our standard product range. Also for our new diaphragm pressure gauge all wetted parts are made from stainless steel and are completely welded. Unlike with the use of chemical seals, the filling fluid is not necessary and we achieve an "absolutely dry measuring cell". Contamination of the medium through the transfer fluid can herewith be ruled out in the event of damage. We ensure that mi-

xing of the medium and the filling fluid is by no means possible. Through special methods we were able to increase the lifespan of the instruments compared to the competition by the factor 10. However, the diaphragm pressure gauge does not reach the lifespan of a pressure gauge with chemical seal. The temperature-related additional error of 0.8%/10K in reference to the span is 6-times inferior than for a pressure gauge with chemical seal.

Industries / Applications



Food



Pharma



features

- ◆ DG - Dry Genic - dry measuring cell, no transfer fluid as in chemical seals
- ◆ Flush-mounted, welded diaphragm
- ◆ SIP and CIP suitable
- ◆ Process connections - as chemical seal e.g. DIN 11851, Tri-clamp and others

Technical data

Version	diaphragm pressure gauge with diaphragm flush-welded
Case	bayonet ring case stainless steel
Nominal case size in mm	100, 160 (4", 6")
Accuracy class	1.6
Pressure ranges	0-0.6 bar to 0-10 bar (0-10 psi to 0-160 psi)
Permissible temperature	
Ambience	-20 ... +60 °C (-4 °F ... +140 °F)
Medium	+150 °C (302 °F)

Caught your attention? We will be happy to contact you.

Surname, Name

Company

Position

Street / No.

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