

Mechanical Pressure Measurement

Diaphragm pressure gauge PCh 100 – 3 DG

In order to meet the special requirements for process connections, especially in the food and pharmaceutical industries, we have extended our standard product range.

All the wetted parts of our new diaphragm pressure gauge are made of stainless steel and are completely welded. Unlike chemical seals, here no filling liquid is necessary and we achieve an "absolutely dry measuring unit". Contamination of the medium with the transfer liquid in the event of damage can thus be excluded. 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 % / 10 K in reference to the span is 6-times less favourable than for a pressure gauge with chemical seal.



Features

- ◆ **DG – Dry Genic – dry measuring cell, no transfer liquid as in chemical seals**
- ◆ **Flush welded diaphragm**
- ◆ **Suitable for SIP and CIP, EHEDG-certified***
- ◆ **Process connections – like chemical seals, e.g. DIN 11 851, Tri-Clamp**

for the sterile
process technology

Technical Data

Version

diaphragm pressure gauge with flush welded membrane

Case

bayonet ring case stainless steel

Nominal case size

100, 160 mm (4, 6")

Accuracy class

1.6

Pressure ranges

0 – 4 bar to 0 – 10 bar
also corresponding compound ranges

Overpressure

1.3 times full scale value

Permissible temperature

ambience –20 °C to +60 °C (–4 °F to +140 °F)
medium –20 °C to +150 °C (–4 °F to +302 °F)

Data sheet

3202

* For clamp connections and process connections according to DIN 11 851, an EHEDG approval for the sealing is required.



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