Reliable

Overload resistant, ceramic CERTEC® measuring cell

Cost effective

One sensor, two measured values: simultaneous measurement of temperature and pressure

User friendly

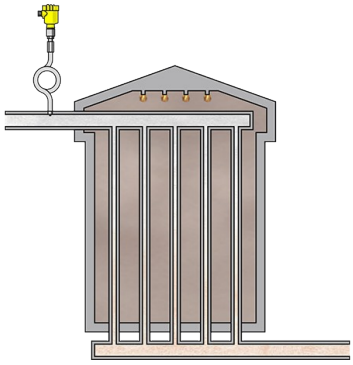
Long service life with low maintenance

Primary reformer

Pressure measurement at the inlet of the primary reformer

In the primary reformer, methane gas and water vapour react into hydrogen, oxygen, carbon monoxide and carbon dioxide at a pressure of around 30 bar and a temperature of 870 °C. Since the temperature in the reformer is very high, pressure is measured at the inlet via a temperature adapter. The temperature also needs to be measured in order to regulate the process.

More details



VEGABAR 82

Pressure transmitter for measuring pressure at the inlet of the primary reformer

- Extremely rugged ceramic CERTEC® measuring cell with high overload resistance
- Pressure transmitter with integrated temperature sensor
- Available with SIL2 approval

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VEGABAR 82

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Measuring range - Distance

-

Measuring range - Pressure

-1 ... 100 bar

Process temperature

-40 ... 150 °C

Process pressure

-1 ... 100 bar

Accuracy

0.05 %

Materials, wetted parts

PVDF
316L
Alloy C22 (2.4602)
PP
1.4057
1.4410
Alloy C276 (2.4819)
Duplex (1.4462)
Titanium Grade 2 (3.7035)

Threaded connection

≥ G½, ≥ ½ NPT

Flange connection

≥ DN15, ≥ ½"

Hygenic fittings

Clamp ≥ 1" - DIN32676, ISO2852
Slotted nut ≥ DN25 - DIN 11851
hygienic fitting with tension flange DN32
hygienic fitting F40 with compression nut
DRD connection ø 65 mm
SMS 1145 DN51
SMS DN38
Swagelok VCR screwing
Varivent G125
Varivent N50-40
for NEUMO BioControl D50 PN16 / 316L

Seal material

EPDM
FKM
FFKM