

#### 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

**Show Product** 



# **VEGABAR 82**

#### **Show Product**



#### 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  $\ensuremath{\mathsf{DN32}}$ 

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

