Reliable

Special sealing concept prevents diffusion by the ammonia

Cost effective

Maintenance-free operation even at high temperatures and pressures

User friendly

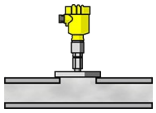
Simple installation and commissioning

Ammonia reactor

Pressure measurement at the inlet of the ammonia reactor

In the ammonia reactor, nitrogen reacts with hydrogen to form ammonia. The temperature in the reactor can be anywhere up to 500 °C at pressures of 200 bar. To monitor the system pressure, the measurement itself does not take place in the interior of the reactor, but in the cooler inlet pipe of the reactor.

More details



VEGABAR 81

Pressure transmitter for measuring pressure at reactor inlet

- Reliable measurement at high temperatures and pressures
- Special sealing concept prevents ammonia diffusion when handling aggressive media
- Long service life through use of chemically resistant materials

Show Product

PRO

VEGABAR 81

Show Product

Measuring range - Distance

-

Measuring range - Pressure

-1 ... 1000 bar

Process temperature

-90 ... 400 °C

Process pressure

-1 ... 1000 bar

Accuracy

0.2 %
0.1 %

Materials, wetted parts

Alloy C22 (2.4602)
Alloy 400 (2.4360)
Tantalum
Alloy C276 (2.4819)
Duplex (1.4462)
Titanium Grade 2 (3.7035)
1.4435
316/316L
Titanium Grade 7 (3.7235)

Threaded connection

≥ G½, ≥ ½ NPT

Flange connection

≥ DN25, ≥ 1"

Hygenic fittings

Clamp ≥ 1" - DIN32676, ISO2852
Slotted nut ≥ 1½", ≥ DN40 - DIN 11851
hygienic fitting with tension flange DN32
hygienic fitting F40 with compression nut
Hygienice flange connection ≥ DN50 DIN11864-2
Hygienic fittings ≥ DN40 - DIN11864-1-A

Seal material

no media contact