



#### Reliable

Special sealing concept prevents diffusion by the ammonia

#### Cost effective

Maintenance-free operation even at high temperatures and pressures

#### User friendly

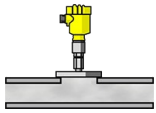
Simple installation and commissioning

## 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

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**VEGABAR 81**[Show Product](#)**Measuring range - Distance**

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**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"

**Hygienic fittings**

Clamp ≥ 1" - DIN32676, ISO2852

Slotted nut ≥ 1½", ≥ DN40 - DIN 11851

hygienic fitting with tension flange DN32

hygienic fitting F40 with compression nut

Hygienic flange connection ≥ DN50 DIN11864-2

Hygienic fittings ≥ DN40 - DIN11864-1-A

**Seal material**

no media contact