



#### Reliable

Reliable pressure monitoring ensures reliable operation of the facility

#### Cost effective

Accurate measurement for optimal storage

#### User friendly

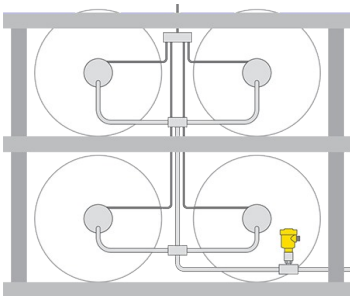
Simple installation in pipes

## Storage tank with hydrogen gas

### Pressure measurement in a hydrogen gas storage tank

Storage tanks can store different amounts of hydrogen gas depending on their size, for example at a filling station or for transport. To be able to store as much hydrogen as possible, such tanks are pressurised up to 1,000 bar. At normal ambient temperatures, hydrogen is always in the gaseous state. Pressure sensors measure the pressure and regulate it as needed.

[More details](#)



### VEGABAR 83

Pressure sensor for pressure measurement in a storage tank with gaseous hydrogen

- High long-term stability thanks to metallic measuring cell of hydrogen-suitable stainless steel
- Reliable measurement due to oil-free, thin-film measuring cell
- Optional gold coating of the diaphragm reduces diffusion
- Simple installation in existing pipelines

[Show Product](#)

**VEGABAR 83**[Show Product](#)**Measuring range - Distance**

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**Measuring range - Pressure**

-1 ... 1000 bar

**Process temperature**

-40 ... 200 °C

**Process pressure**

-1 ... 1000 bar

**Accuracy**

0.075 %

**Materials, wetted parts**

316L

Alloy C22 (2.4602)

316Ti (1.4571)

Alloy C4 (2.4610)

**Threaded connection**

≥ G½, ≥ ½ NPT

**Flange connection**

≥ DN25, ≥ 1"

**Hygienic fittings**

Slotted nut ≥ DN25 - DIN 11851

Varivent ≥ DN25

hygienic fitting with tension flange DN32

Hygienice flange connection ≥ DN50 DIN11864-2

SMS 1145 DN51

SMS DN38

Hygienic fittings ≥ DN33 - DIN11864-1-A

Hyg. collar clamp adapter DN40PN40 DIN11864-3-A

Hyg. clamp connection DIN11864-3-A; DN50 Rohr ø53

Swagelok VCR screwing

Varivent G125

**Seal material**

no media contact