



Reliable

Reliable measurement, independent of process conditions

Cost effective

Ensures an effective gas drying process, and thus high quality gas

User friendly

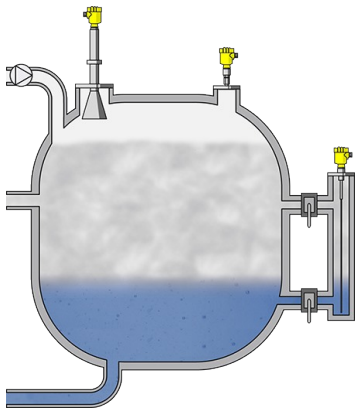
Maintenance-free operation

Gas separators (scrubbers)

Level and pressure measurement in the gas separator

Extracted natural gas and gas residues from oil production are contaminated with water and are therefore collected in gas separators (scrubbers) for separation. Pressures of up to +150 bar keep the gas in the liquid state. Exact pressure and level measurement enable optimal utilization of the gas separator and effective control of the gas drying process. The separation of gas from water is carried out by chemically binding the water to glycol and separating it mechanically. Accurate measurement of the gas/water interface determines the quality of the gas.

More details



VEGAFLEX 86

Interface measurement with guided radar in the gas separator

- Reliable measurement, independent of medium composition
- Doubly secure thanks to "Second Line of Defense"

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VEGABAR 81

Pressure transmitter for monitoring pressure in the gas separator

- Reliable measurement despite high pressure and large temperature ranges
- Wear and maintenance-free thanks to highly resistant diaphragm materials

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VEGAPULS 6X


Level measurement with radar in the gas separator

- Exact measuring results, independent of pressure, temperature and gas
- Maintenance-free operation thanks to non-contact measurement method
- Easy to install in the tank

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Measuring range - Distance 75 m
Process temperature -196 ... 450 °C
Process pressure -1 ... 400 bar
Accuracy ± 2 mm
Version Coax version ø 21.3 mm with multiple hole Coax version ø 42.2 mm with single hole Coax version ø 42.2 mm with multiple hole Exchangeable rod ø 16 mm Exchangeable cable ø 2 mm with gravity weight Exchangeable cable ø 4 mm with gravity weight Exchangeable cable ø 2 mm with centering weight Exchangeable cable ø 4 mm with centering weight
Materials, wetted parts 316L Alloy C22 (2.4602) 316
Threaded connection ≥ G¾, ≥ ¾ NPT
Flange connection ≥ DN25, ≥ 1"
Seal material FFKM graphit and ceramic
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)

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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 ≥ G¾, ≥ 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 Hygienice flange connection ≥ DN50 DIN11864-2 Hygienic fittings ≥ DN40 - DIN11864-1-A
Seal material no media contact

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Measuring range - Distance 120 m
Process temperature -196 ... 450 °C
Process pressure -1 ... 160 bar
Accuracy ± 1 mm
Frequency 6 GHz 26 GHz 80 GHz
Beam angle ≥ 3°
Materials, wetted parts PTFE PVDF 316L PP PEEK
Threaded connection ≥ G¾, ≥ ¾ NPT
Flange connection ≥ DN20, ≥ ¾"
Hygienic fittings Clamp ≥ 1½" - DIN32676, ISO2852 Slotted nut ≥ 2", DN50 - DIN 11851 Varivent ≥ DN25 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A Hygienice flange connection ≥ DN50 DIN11864-2 Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864- 3-A DRD connection ø 65 mm SMS 1145 DN51