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.

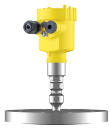
More details

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"

Show Product



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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PRO

VEGAFLEX 86

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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)

PRO

VEGABAR 81

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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
≥ 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

PRO

VEGAPULS 6X

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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"

Hygenic 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