



#### Reliable

Reliable measurement, independent of process conditions

#### Cost effective

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

#### User friendly

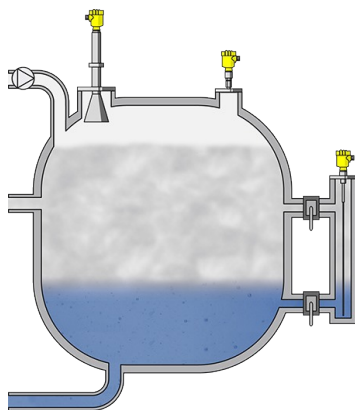
Maintenance-free operation

## 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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| PRO                                                                                                                                                                                                                                                                                                                                                                                     | PRO                                                                                                                                                                                                                                                                                       | PRO                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>VEGAFLEX 86</b><br><a href="#">Show Product</a>                                                                                                                                                                                                                                                                                                                                      | <b>VEGABAR 81</b><br><a href="#">Show Product</a>                                                                                                                                                                                                                                         | <b>VEGAPULS 6X</b><br><a href="#">Show Product</a>                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                  |
| <b>Measuring range - Distance</b><br>75 m                                                                                                                                                                                                                                                                                                                                               | <b>Measuring range - Distance</b><br>-                                                                                                                                                                                                                                                    | <b>Measuring range - Distance</b><br>120 m                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Process temperature</b><br>-196 ... 450 °C                                                                                                                                                                                                                                                                                                                                           | <b>Measuring range - Pressure</b><br>-1 ... 1000 bar                                                                                                                                                                                                                                      | <b>Process temperature</b><br>-196 ... 450 °C                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Process pressure</b><br>-1 ... 400 bar                                                                                                                                                                                                                                                                                                                                               | <b>Process temperature</b><br>-90 ... 400 °C                                                                                                                                                                                                                                              | <b>Process pressure</b><br>-1 ... 160 bar                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Accuracy</b><br>± 2 mm                                                                                                                                                                                                                                                                                                                                                               | <b>Process pressure</b><br>-1 ... 1000 bar                                                                                                                                                                                                                                                | <b>Accuracy</b><br>± 1 mm                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Version</b><br>Coax version ø 21.3 mm with multiple hole<br>Coax version ø 42.2 mm with single hole<br>Coax version ø 42.2 mm with multiple hole<br>Exchangeable rod ø 16 mm<br>Exchangeable cable ø 2 mm with gravity weight<br>Exchangeable cable ø 4 mm with gravity weight<br>Exchangeable cable ø 2 mm with centering weight<br>Exchangeable cable ø 4 mm with centering weight | <b>Accuracy</b><br>0.2 %<br>0.1 %                                                                                                                                                                                                                                                         | <b>Frequency</b><br>6 GHz<br>26 GHz<br>80 GHz                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Materials, wetted parts</b><br>316L<br>Alloy C22 (2.4602)<br>316                                                                                                                                                                                                                                                                                                                     | <b>Materials, wetted parts</b><br>Alloy C22 (2.4602)<br>Alloy 400 (2.4360)<br>Tantalum<br>Alloy C276 (2.4819)<br>Duplex (1.4462)<br>Titanium Grade 2 (3.7035)<br>1.4435<br>316/316L<br>Titanium Grade 7 (3.7235)                                                                          | <b>Beam angle</b><br>≥ 3°                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Threaded connection</b><br>≥ G¾, ≥ ¾ NPT                                                                                                                                                                                                                                                                                                                                             | <b>Threaded connection</b><br>≥ G¾, ≥ ½ NPT                                                                                                                                                                                                                                               | <b>Materials, wetted parts</b><br>PTFE<br>PVDF<br>316L<br>PP<br>PEEK                                                                                                                                                                                                                                                                                                                                                                |
| <b>Flange connection</b><br>≥ DN25, ≥ 1"                                                                                                                                                                                                                                                                                                                                                | <b>Threaded connection</b><br>≥ G¾, ≥ ¾ NPT                                                                                                                                                                                                                                               | <b>Threaded connection</b><br>≥ G¾, ≥ ¾ NPT                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Seal material</b><br>FFKM<br>graphit and ceramic                                                                                                                                                                                                                                                                                                                                     | <b>Flange connection</b><br>≥ DN25, ≥ 1"                                                                                                                                                                                                                                                  | <b>Flange connection</b><br>≥ DN20, ≥ ¾"                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Housing material</b><br>Plastic<br>Aluminium<br>Stainless steel (precision casting)<br>Stainless steel (electropolished)                                                                                                                                                                                                                                                             | <b>Hygienic fittings</b><br>Clamp ≥ 1" - DIN32676, ISO2852<br>Slotted nut ≥ 1½", ≥ DN40 - DIN 11851<br>hygienic fitting with tension flange DN32<br>hygienic fitting F40 with compression nut<br>Hygienice flange connection ≥ DN50 DIN11864-2<br>Hygienic fittings ≥ DN40 - DIN11864-1-A | <b>Hygienic fittings</b><br>Clamp ≥ 1½" - DIN32676, ISO2852<br>Slotted nut ≥ 2", DN50 - DIN 11851<br>Varivent ≥ DN25<br>hygienic fitting with tension flange DN32<br>hygienic fitting F40 with compression nut<br>Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A<br>Hygienice flange connection ≥ DN50 DIN11864-2<br>Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-3-A<br>DRD connection ø 65 mm<br>SMS 1145 DN51 |
|                                                                                                                                                                                                                                                                                                                                                                                         | <b>Seal material</b><br>no media contact                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                     |