



## Gas separators (scrubbers)

### 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

### 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.



#### VEGAPULS 62

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



#### 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"



#### 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





VEGAPULS 62	VEGAFLEX 86	VEGABAR 81
<b>Measuring range - Distance</b> 35 m	<b>Measuring range - Distance</b> 75 m	<b>Measuring range - Distance</b> -
<b>Process temperature</b> -196 ... 450 °C	<b>Process temperature</b> -196 ... 450 °C	<b>Measuring range - Pressure</b> -1 ... 1000 bar
<b>Process pressure</b> -1 ... 160 bar	<b>Process pressure</b> -1 ... 400 bar	<b>Process temperature</b> -90 ... 400 °C
<b>Accuracy</b> ± 2 mm	<b>Accuracy</b> ± 2 mm	<b>Process pressure</b> -1 ... 1000 bar
<b>Frequency</b> 26 GHz	<b>Version</b> 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	<b>Accuracy</b> 0.2 %
<b>Beam angle</b> ≥ 3°	<b>Materials, wetted parts</b> 316L Alloy C22 (2.4602) 316	<b>Materials, wetted parts</b> 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)
<b>Version</b> for separate horn antenna with ½" standpipe with horn antenna ø 40 mm with horn antenna ø 48 mm with horn antenna ø 75 mm with horn antenna ø 95 mm with parabolic antenna ø 245 mm	<b>Threaded connection</b> ≥ G¾, ≥ ¾ NPT	<b>Threaded connection</b> ≥ G½, ≥ ½ NPT
<b>Materials, wetted parts</b> 316L Alloy C22 (2.4602) 1.4848 Alloy 400 (2.4360)	<b>Flange connection</b> ≥ DN25, ≥ 1"	<b>Flange connection</b> ≥ DN25, ≥ 1"
<b>Threaded connection</b> G1½, 1½ NPT	<b>Seal material</b> FFKM graphit and ceramic	<b>Hygienic fittings</b> 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
<b>Flange connection</b> ≥ DN50, ≥ 2"	<b>Housing material</b> Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	<b>Seal material</b> no media contact