



#### Reliable

Measurement results are unaffected by process conditions

#### Cost effective

Efficient operation and high oil quality

#### User friendly

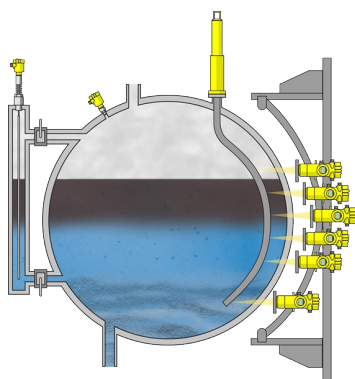
Maintenance-free operation

## Oil separators

### Level and pressure measurement in an oil separator

The separator vessel contains a mixture of crude oil, gas, water and sand extracted from the subsea well. Precise monitoring of these multiple separation interfaces and emulsions play a vital role in ensuring the quality of the oil separator for separation. Exact control of interfaces, level and pressure allows optimum utilization of the oil separator and increases the effectiveness of the entire asset.

[More details](#)



#### VEGAFLEX 86

Level measurement with guided radar in the oil separator

- Independent of medium density and therefore highly accurate
- Doubly secure thanks to the "Second Line of Defense"
- Shortenable rod probe allows high flexibility during planning

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#### VEGABAR 83

Pressure transmitter for monitoring pressure in the oil separator

- High plant availability due to high overload resistance
- High resistance of the measuring cell ensures a long service life
- Small process fitting reduces installation costs

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#### MINITRAC 31


Radiometric multi-phase interface measurement in the oil separator


- High process transparency through accurate detection of separation layers
- Ensures continuous operation of the facility through non-contact measuring method
- Measurement unaffected by pressure and temperature because sensor is installed outside of the tank

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PRO
<b>VEGAFLEX 86</b> <a href="#">Show Product</a>

<b>Measuring range - Distance</b> 75 m
<b>Process temperature</b> -196 ... 450 °C
<b>Process pressure</b> -1 ... 400 bar
<b>Accuracy</b> ± 2 mm
<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>Materials, wetted parts</b> 316L Alloy C22 (2.4602) 316
<b>Threaded connection</b> ≥ G¾, ≥ ¾ NPT
<b>Flange connection</b> ≥ DN25, ≥ 1"
<b>Seal material</b> FFKM graphit and ceramic
<b>Housing material</b> Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)

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<b>VEGABAR 83</b> <a href="#">Show Product</a>

<b>Measuring range - Distance</b> -
<b>Measuring range - Pressure</b> -1 ... 1000 bar
<b>Process temperature</b> -40 ... 200 °C
<b>Process pressure</b> -1 ... 1000 bar
<b>Accuracy</b> 0.075 %
<b>Materials, wetted parts</b> 316L Alloy C22 (2.4602) 316Ti (1.4571) Alloy C4 (2.4610)
<b>Threaded connection</b> ≥ G½, ≥ ½ NPT
<b>Flange connection</b> ≥ DN25, ≥ 1"
<b>Hygenic fittings</b> 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
<b>Seal material</b> no media contact

PRO
<b>MINITRAC 31</b> <a href="#">Show Product</a>

<b>Measuring range - Distance</b> -
<b>Process temperature</b> -40 ... 60 °C
<b>Process pressure</b> -
<b>Accuracy</b> 0.1 %
<b>Materials, wetted parts</b> No wetted material
<b>Seal material</b> no media contact
<b>Housing material</b> Aluminium Stainless steel (precision casting)
<b>Protection rating</b> IP66/IP67
<b>Output</b> Profibus PA Foundation Fieldbus Four-wire: 4 ... 20 mA/HART
<b>Ambient temperature</b> -40 ... 60 °C