Reliable

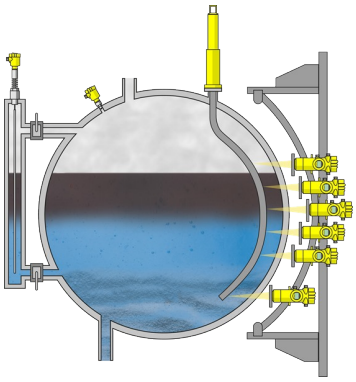
Measurement results are unaffected by process conditions

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

Show Product

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

Show Product

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

VEGAFLEX 86

Show Product

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 83

Show Product

Measuring range - Distance
-

Measuring range - Pressure
-1 ... 1000 bar

Process temperature
-40 ... 200 °C

Process pressure
-1 ... 1000 bar

Accuracy
0.075 %

Materials, wetted parts
316L
Alloy C22 (2.4602)
316Ti (1.4571)
Alloy C4 (2.4610)

Threaded connection
≥ G½, ≥ ½ NPT

Flange connection
≥ DN25, ≥ 1"

Hygenic fittings
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

Seal material
no media contact

PRO

MINITRAC 31

Show Product

Measuring range - Distance
-

Process temperature
-40 ... 60 °C

Process pressure
-

Accuracy
0.1 %

Materials, wetted parts
No wetted material

Seal material
no media contact

Housing material
Aluminium
Stainless steel (precision casting)

Protection rating
IP66/IP67

Output
Profibus PA
Foundation Fieldbus
Four-wire: 4 … 20 mA/HART

Ambient temperature
-40 ... 60 °C