



Oil separators

- Reliable
- Measurement results are unaffected by process conditions
- Cost effective
- Efficient operation and high oil quality
- User friendly
- Maintenance-free operation

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.



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



VEGABAR 83

Pressure transmitter for monitoring pressure in the oil separator

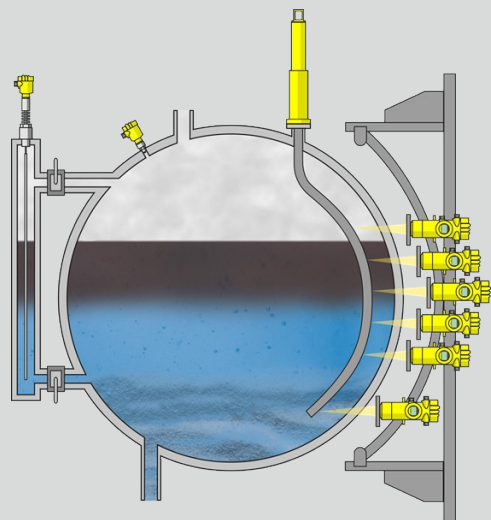
- High plant availability due to high overload resistance
- High resistance of the measuring cell ensures a long service life
- Small process fitting reduces installation costs



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





VEGAFLEX 86	VEGABAR 83	MINITRAC 31
量程 - 距离 75 m	量程 - 距离 -	量程 - 距离 -
过程温度 -196 ... 450 °C	量程-压力 -1 ... 1000 bar	过程温度 -40 ... 60 °C
过程压力 -1 ... 400 bar	过程温度 -40 ... 200 °C	过程压力 -
测量精度 ± 2 mm	过程压力 -1 ... 1000 bar	测量精度 0,1 %
型式 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	测量精度 0,075 %	接液材质 无润湿材料
接液材质 316L 镍基热强合金 C22 316	接液材质 316L 镍基热强合金 C22 316 Ti (1.4571) Alloy C4 (2.4610)	密封材料 no media contact
螺纹连接 ≥ G¾, ≥ ¾ NPT	螺纹连接 ≥ G½, ≥ ½ NPT	外壳材料 铝Aluminium 不锈钢, 精密铸件
法兰连接 ≥ DN25, ≥ 1"	法兰连接 ≥ DN25, ≥ 1"	保护方式 IP66/IP67
密封材料 FFKM graphit and ceramic	卫生型连接 Clamp ≥ 1" - DIN32676, ISO2852 管螺栓 ≥ DN25 - DIN 11851 Varivent ≥ DN25 hygienic fitting with tension flange DN32 Hygienic 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	输出 Profibus PA Foundation Fieldbus 4 ... 20 mA/HART - four-wire
外壳材料 塑料 铝Aluminium 不锈钢, 精密铸件 不锈钢, 经电解抛光	密封材料 EPDM FKM FFKM FEPM	环境温度 -40 ... 60 °C