



### Reliable

Reliable measurement of the interface  
(separation layer)

### Cost effective

Maintenance-free operation

### User friendly

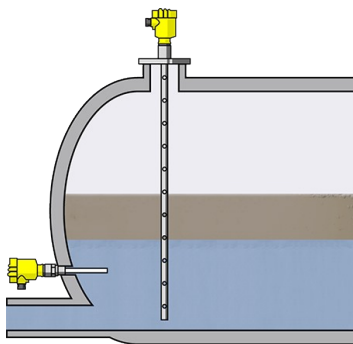
Easy setup and commissioning

## Separation vessel

### Level measurement and point level detection in a separator vessel tank for recovery of raw materials

These processes often involve the separation of water-based media from hydrocarbons. In most applications, the upper, lighter medium is electrically non-conductive. Guided radar level measurement makes use of the effect that non-conductive media allow some of the radar energy to pass through, thus enabling a measurement of the interface between the water-based lower medium and the hydrocarbons.

[More details](#)



### VEGAFLEX 81

Level and interface measurement with guided radar in the separation tank

- Total level and position of the interface are reliably detected with a rod or coaxial sensor
- Separation layer thicknesses from 50 mm can be measured
- VEGAFLEX 81 measures reliably and accurately, even in emulsion phases
- Simple setup and maintenance-free operation

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### VEGACAP 63

Capacitive level switch for conductive liquids for level measurement in the separation tank

- Reliable differentiation between conductive and non-conductive media
- Reliable level measurement of the separated water quantity for disposal
- Simple mounting and calibration

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## VEGAFLEX 81

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**Measuring range - Distance**  
75 m

**Process temperature**  
-60 ... 200 °C

**Process pressure**  
-1 ... 40 bar

**Accuracy**  
± 2 mm

**Version**  
Basic version for exchangeable cable ø 2; ø 4 mm  
Basic version for exchangeable rod ø 8 mm  
Basic version for exchangeable rod ø 12 mm  
Coax version ø 21.3 mm for ammonia application  
Coax version ø 21.3 mm with single hole  
Coax version ø 21.3 mm with multiple hole  
Coax version ø 42.2 mm with multiple hole  
Exchangeable rod ø 8 mm  
Exchangeable rod ø 12 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  
Exchangeable cable ø 4 mm without weight  
exchangeable, PFA-coated cable ø4 mm with non-coated centering weight

**Materials, wetted parts**  
PFA  
316L  
Alloy C22 (2.4602)  
Alloy 400 (2.4360)  
Alloy C276 (2.4819)  
Duplex (1.4462)  
304L

**Threaded connection**  
≥ G¾, ≥ ¾ NPT

**Flange connection**  
≥ DN25, ≥ 1"

**Seal material**  
EPDM  
FKM  
FFKM  
Silicone FEP coated  
Borosilicate glass

**Housing material**  
Plastic  
Aluminium  
Stainless steel (precision casting)  
Stainless steel (electropolished)

PRO

## VEGACAP 63

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**Measuring range - Distance**  
-

**Process temperature**  
-50 ... 200 °C

**Process pressure**  
-1 ... 64 bar

**Version**  
PE insulation  
PE insulation and concentric tube  
PTFE insulation  
PTFE insulation with screening tube PN1  
PTFE insulation with screening tube PN16  
PTFE insulation with screening tube PN40  
PTFE insulation and concentric tube

**Materials, wetted parts**  
PTFE  
316L  
Alloy C22 (2.4602)  
Alloy 400 (2.4360)  
PE  
Steel C22.8

**Threaded connection**  
≥ G¾, ≥ ½ NPT

**Flange connection**  
≥ DN25, ≥ 1"

**Seal material**  
no media contact

**Housing material**  
Plastic  
Aluminium  
Stainless steel (precision casting)  
Stainless steel (electropolished)

**Protection rating**  
IP66/IP68 (0,2 bar)  
IP66/IP67  
IP66/IP68 (1 bar)