

Reliable

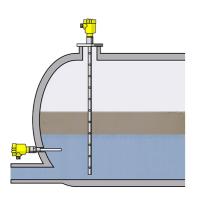
Reliable measurement of the interface (separation layer)

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 Show Product



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

Materials, wetted parts

PFA

316L

Alloy C22 (2.4602)

centering weight

Alloy 400 (2.4360)

Alloy C276 (2.4819)

Duplex (1.4462)

304L

Threaded connection

≥ G3/4, ≥ 3/4 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)

VEGACAP 63

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Measuring range - Distance

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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)

PΕ

Steel C22.8

Threaded connection

≥ G½, ≥ 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)

