



Reliable

Reliable measurement enables dependable operation of the column

Cost effective

Optimal dewatering performance through defined level

User friendly

Measurement independent of medium properties

Dewatering column

Level measurement in the dewatering column

The waste oil is heated to a temperature of 105 °C in the lower section of the column. Here, the water evaporates and is pumped away after it condenses. After reaching the appropriate temperature, the oil is transported through pipes to the upper part of the column, where the remaining water vaporises. For optimal dewatering, a defined level is required in the column. As the oil surface is very turbulent due to the action of pumps and heating, making level measurement directly inside the column practically impossible. For that reason it is done in a bypass tube.

[More details](#)



VEGAFLEX 81

Level measurement with guided wave radar in the dewatering column

- Dependable measurement in the bypass tube, completely independent of process conditions
- Easy setup and commissioning without full and empty adjustment

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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
 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)