



## Dewatering column

### Reliable

Reliable measurement enables dependable operation of the column

### Cost effective

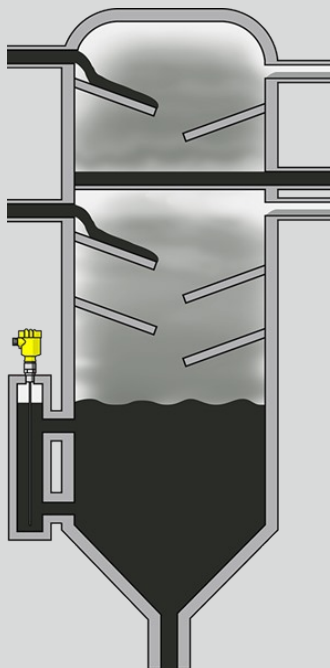
Optimal dewatering performance through defined level

### User friendly

Measurement independent of medium properties

### 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.



### 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



## VEGAFLEX 81

### 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)