**Reliable**

Reliable measurement enables dependable operation of the column

**Cost effective**

Optimal dewatering performance through defined level

**User friendly**

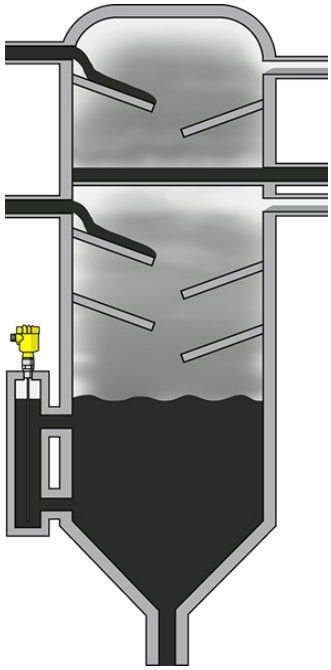
Measurement independent of medium properties

# 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

**Show Product**

PRO

## 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)