



#### 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  $\varnothing$  2;  $\varnothing$  4 mm  
 Basic version for exchangeable rod  $\varnothing$  8 mm  
 Basic version for exchangeable rod  $\varnothing$  12 mm  
 Coax version  $\varnothing$  21.3 mm for ammonia application  
 Coax version  $\varnothing$  21.3 mm with single hole  
 Coax version  $\varnothing$  21.3 mm with multiple hole  
 Coax version  $\varnothing$  42.2 mm with multiple hole  
 Exchangeable rod  $\varnothing$  8 mm  
 Exchangeable rod  $\varnothing$  12 mm  
 Exchangeable cable  $\varnothing$  2 mm with gravity weight  
 Exchangeable cable  $\varnothing$  4 mm with gravity weight  
 Exchangeable cable  $\varnothing$  2 mm with centering weight  
 Exchangeable cable  $\varnothing$  4 mm with centering weight  
 Exchangeable cable  $\varnothing$  4 mm without weight  
 exchangeable, PFA-coated cable  $\varnothing$  4 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** $\geq G\frac{3}{4}$ ,  $\geq \frac{3}{4}$  NPT**Flange connection** $\geq DN25$ ,  $\geq 1"$ **Seal material**

EPDM  
 FKM  
 FFKM  
 Silicone FEP coated  
 Borosilicate glass

**Housing material**

Plastic  
 Aluminium  
 Stainless steel (precision casting)  
 Stainless steel (electropolished)