



#### Reliable

Safe and reliable measurement even at extreme temperatures

#### Cost effective

Maintenance-free operation

#### User friendly

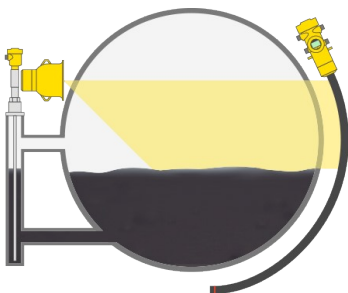
Easy installation

## Reboiler

### Level measurement in the reboiler

Evaporators are heat exchangers that are deployed at the bottom of distillation columns. In the evaporator, the residue is boiled up from the sump and fed back into the distillation process. Precise control of the level in the evaporator ensures efficient operation of the plant. A reliable measurement also ensures that the heating coils are always covered with liquid, to prevent any overheating incidents.

[More details](#)



#### VEGAFLEX 86

Level measurement with guided wave radar in the reboiler

- Reliable measurement unaffected by vapour presence and high temperatures
- Flexible mounting possibilities in the tank or in a bridle
- Robust material options are resistant to extreme process conditions

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#### FIBERTRAC 31

Radiation-based sensor for continuous level measurement in the reboiler

- Non-contact operation is unaffected by process temperature
- Lightweight detector eliminates need for cranes or special rigging
- Small bend radius of flexible detector mounts to vessel shape
- Cost savings, as no servicing of the measuring system is required

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### VEGAFLEX 86

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**Measuring range - Distance**  
75 m

**Process temperature**  
-196 ... 450 °C

**Process pressure**  
-1 ... 400 bar

**Accuracy**  
± 2 mm

**Version**  
Coax version ø 21.3 mm with multiple hole  
Coax version ø 42.2 mm with single hole  
Coax version ø 42.2 mm with multiple hole  
Exchangeable rod ø 16 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

**Materials, wetted parts**  
316L  
Alloy C22 (2.4602)  
316

**Threaded connection**  
≥ G¾, ≥ ¾ NPT

**Flange connection**  
≥ DN25, ≥ 1"

**Seal material**  
FFKM  
graphit and ceramic

**Housing material**  
Plastic  
Aluminium  
Stainless steel (precision casting)  
Stainless steel (electropolished)

PRO

### FIBERTRAC 31

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**Measuring range - Distance**  
7 m

**Process temperature**  
-

**Process pressure**  
-

**Accuracy**  
± 0.5 %

**Density**  
Density

**Materials, wetted parts**  
No wetted material

**Threaded connection**  
Mounting from outside via supplied mounting brackets

**Seal material**  
no media contact

**Housing material**  
Aluminium  
Stainless steel (precision casting)

**Protection rating**  
IP66/IP67