



Reboiler

Reliable

Safe and reliable measurement even at extreme temperatures

Cost effective

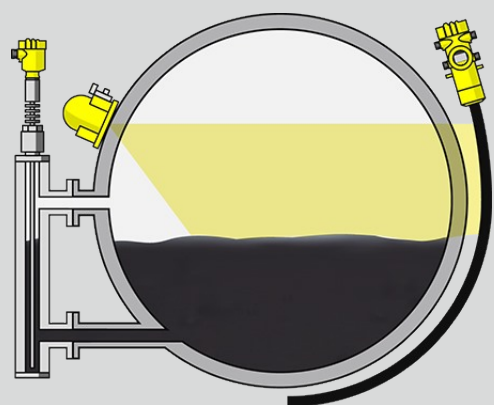
Maintenance-free operation

User friendly

Easy installation

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.



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



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



VEGAFLEX 86	FIBERTRAC 31
Measuring range - Distance 75 m	Measuring range - Distance 7 m
Process temperature -196 ... 450 °C	Process temperature -
Process pressure -1 ... 400 bar	Process pressure -
Accuracy ± 2 mm	Accuracy ± 0.5 %
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	Density Density
Materials, wetted parts 316L Alloy C22 (2.4602) 316	Materials, wetted parts No wetted material
Threaded connection ≥ G¾, ≥ ¾ NPT	Threaded connection Mounting from outside via supplied mounting brackets
Flange connection ≥ DN25, ≥ 1"	Seal material no media contact
Seal material FFKM graphit and ceramic	Housing material Aluminium Stainless steel (precision casting)
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	Protection rating IP 66/IP 67