



#### Reliable

Precise measurement results even in extreme environments

#### Cost effective

Easy mounting reduces installation and maintenance costs

#### User friendly

Simple calibration even during running process

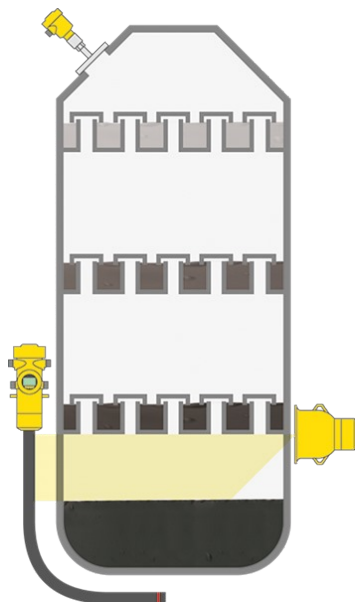
## Distillation column

### Level and pressure measurement in the distillation unit

The heavy, highly viscous process material and extreme temperature are located in the bottom part of the distillation. For level control of residual feeds, a non-contact measurement is essential for reliability.

Monitoring head space pressure at the upper end of refinery columns is important to ensure that the process is operating under ideal conditions.

[More details](#)



#### FIBERTRAC 31

Radiation-based sensor for continuous level measurement

- Non-contact measurement principle allows safe and reliable level measurement
- Lightweight design reduces mounting hardware and structural requirements
- Easy proof test verifies operation without costly process downtime

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#### VEGABAR 81

Measurement of head pressure with pressure transmitter in the distillation column

- Reliable head pressure measurement, even with vacuum or overpressure
- Measurement result unaffected by temperature variations during the start-up and shutdown of the column
- Durable pressure transmitter can withstand temperatures of up to 400 °C

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PRO	PRO
<b>FIBERTRAC 31</b> <a href="#">Show Product</a>	<b>VEGABAR 81</b> <a href="#">Show Product</a>
	
<b>Measuring range - Distance</b> 7 m	<b>Measuring range - Distance</b> -
<b>Process temperature</b> -	<b>Measuring range - Pressure</b> -1 ... 1000 bar
<b>Process pressure</b> -	<b>Process temperature</b> -90 ... 400 °C
<b>Accuracy</b> ± 0.5 %	<b>Process pressure</b> -1 ... 1000 bar
<b>Density</b> Density	<b>Accuracy</b> 0.2 % 0.1 %
<b>Materials, wetted parts</b> No wetted material	<b>Materials, wetted parts</b> Alloy C22 (2.4602) Alloy 400 (2.4360) Tantalum Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035) 1.4435 316/316L Titanium Grade 7 (3.7235)
<b>Threaded connection</b> Mounting from outside via supplied mounting brackets	<b>Threaded connection</b> ≥ G½, ≥ ½ NPT
<b>Seal material</b> no media contact	<b>Flange connection</b> ≥ DN25, ≥ 1"
<b>Housing material</b> Aluminium Stainless steel (precision casting)	<b>Hygienic fittings</b> Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut Hygienice flange connection ≥ DN50 DIN11864-2 Hygienic fittings ≥ DN40 - DIN11864-1-A
<b>Protection rating</b> IP66/IP67	<b>Seal material</b> no media contact