

Reliable

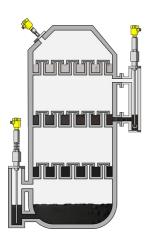
Reliable level measurement across all pressure and temperature ranges

Cost effective

Standardized operation in all the measuring principles

User friendly

Robust and maintenance-free sensors reduce maintenance overhead



Distillation column

Level and pressure measurement in the distillation of primary products

The process temperatures in a distillation column place high demands on the measurement technologies deployed. The boiling point of the distillate frequently exceeds 400 °C. The aim is to achieve the highest possible product throughput for cost-effective operation of the plant. This means the raw material replenishments need to be optimally controlled by level and process pressure measurement in the column.

More details



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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VEGAFLEX 86

Level measurement of the extraction trays of the distillation column with guided radar

- Maintenance-free measuring principle reduces maintenance costs to a
 minimum
- Delivered as a complete solution with bypass VEGAPASS 81
- Particularly high system reliability through extensive diagnostic functions and SIL qualification according to IEC 61508 (SIL2)

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VEGABAR 81 Show Product



Measuring range - Distance

-

Measuring range - Pressure

-1 ... 1000 bar

Process temperature

-90 ... 400 °C

Process pressure

-1 ... 1000 bar

Accuracy

0.2 % 0.1 %

Materials, wetted parts

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)

Threaded connection

≥ G½, ≥ ½ NPT

Flange connection

≥ DN25, ≥ 1"

Hygenic fittings

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

Seal material

no media contact

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)

