



#### Reliable

Reliable measurement through automatic measurement correction

#### Cost effective

Optimal operation of the facility

#### User friendly

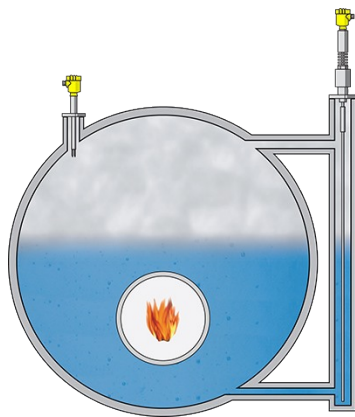
Simple mounting and setup

## Steam drum

### Level measurement and point level detection in the steam drum

Process heat in a power plant is provided by steam at different pressures. The required process temperature is regulated via the steam pressure. Depending on the process temperatures there can be pressures up to 160 bar, at temperatures up to 400 °C in the steam drums. Reliable control of water levels and fail safe limit of high and low water in the steam vessels are crucial for the safe operation of the plant.

[More details](#)



#### VEGAFLEX 86

Precise, continuous measured values in saturated steam with guided radar

- High plant safety via self-monitoring in extreme process temperatures and pressures
- Reliable measured values through automatic measurement correction (integrated steam compensation)
- Safe for use up to SIL2/3 according to IEC 61508

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#### VEGASWING 66

The vibrating level switch is used in the steam drum as a high and low water limiting device

- High security through self-monitoring of sensor element and electronics at high process temperatures and pressures
- Fast and reliable function test via the press of a button
- Flexible and trustworthy in applications up to SIL3

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## VEGAFLEX 86

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## VEGASWING 66

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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)

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

**Process pressure**  
-1 ... 160 bar

**Version**  
Compact version  
with gas-tight leadthrough  
with tube extension

**Materials, wetted parts**  
316L  
Alloy C22 (2.4602)  
Inconel 718

**Threaded connection**  
G1, 1 NPT, R1

**Flange connection**  
≥ DN50, ≥ 2"

**Seal material**  
no media contact

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

**Protection rating**  
IP66/IP67  
IP66/IP68 (1 bar)  
IP65

**Output**  
Relay (DPDT)  
Transistor (NPN/PNP)  
Two-wire