



### Reliable

Reliable function under all operating conditions

### Cost effective

Maintenance-free instrumentation technology

### User friendly

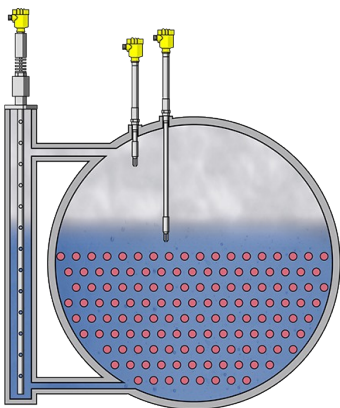
Automatic steam condensation

## Heat recovery boiler

### Level measurement and point level detection in the heat recovery boiler

In the heat recovery boiler, hot process gas is passed through heating pipes. This means the gas is cooled and the necessary process heat for the plant recovered to be reused. To prevent the heat recovery boiler from running dry and thus overheating, reliable monitoring of the water level in the boiler is required. For maximum safety, the measurement is carried out redundantly with diverse instrument technology.

[More details](#)



### VEGAFLEX 86

Continuous level measurement with guided radar in the heat recovery boiler

- Vapour compensation enables reliable measurement despite changing pressures and temperatures
- Special ceramic-graphite seal can be used up to 450 °C
- Available with SIL2 and boiler approvals for assured safety

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### VEGASWING 66

Vibrating level switch for reliable detection of minimum and maximum water level

- High level of safety via self-monitoring of sensor element and electronics at high process temperatures and pressures
- Redundant measurement for maximum safety
- Available with SIL2 and boiler approvals
- Fast and reliable function test by press of a button

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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

## VEGASWING 66

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**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