



Reliable

Reliable function under all operating conditions

Cost effective

Maintenance-free instrumentation technology

User friendly

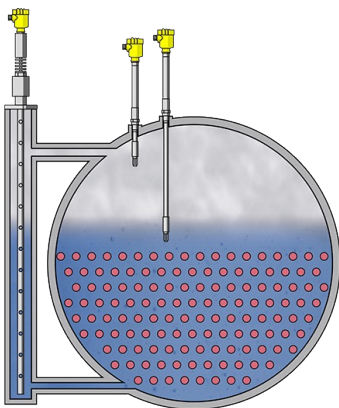
Automatic steam condensation

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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PRO

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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