



**Reliable**

High operational reliability under all process conditions

**Cost effective**

Simple to install, even in existing plants

**User friendly**

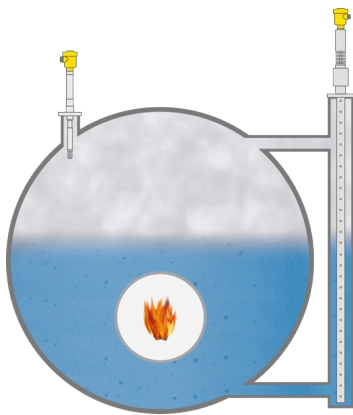
Maintenance-free operation

## Steam boiler

### Level measurement and point level detection in process steam generation

High process pressures and a highly compressed vapour phase are the normal operating conditions inside boilers. The size of the steam generator is what determines the quantity of saturated steam that can be fed into a heat exchanger. Reliable control of the water level and limitation of high and low water levels are therefore extremely important. In power plants boilers are governed by the steam pressure and the process temperature.

[More details](#)



#### VEGAFLEX 86

Level measurement with guided radar for optimization of steam generation in boilers

- Approved acc. to EN 12952-11 and EN 12953-9 as limiting device for high and low water in the boiler
- Automatic runtime adjustment ensures accurate measurement, even under changing vapour pressures
- High system reliability through automatic self-monitoring
- Safe for use up to SIL2/3 according to IEC 61508

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#### VEGASWING 66

Vibrating level switch for high and low water limitation in steam boilers

- Ceramic materials allow use at temperatures up to 450 °C and pressures up to 160 bar
- Density changes and changes in conductivity or saturated steam consistency do not influence the measurement
- Continuous self-monitoring as well as fast and reliable function testing via keystroke
- Safe for use up to SIL2/3 according to IEC 61508

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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