



#### Reliable

High operational reliability under all process conditions

#### Cost effective

Simple to install, even in existing plants

#### User friendly

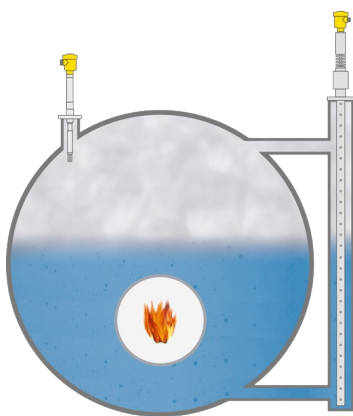
Maintenance-free operation

## 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.

[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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PRO

PRO

**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