Reliable

High operational reliability under all process conditions

Cost effective

Simple to install, even in existing plants
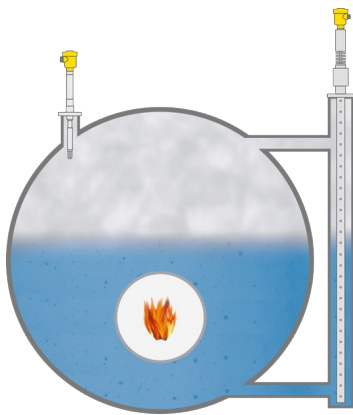
User friendly

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

Show Product

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
Show Product

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)

VEGASWING 66
Show Product

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

VEGA HOME OF VALUES