



Reliable

Reliable measurement through automatic measurement correction

Cost effective

Optimal operation of the facility

User friendly

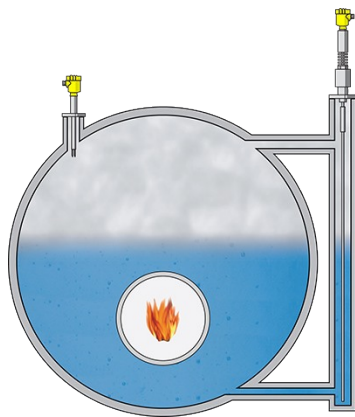
Simple mounting and setup

Steam drum

Level measurement and point level detection in the steam drum

Process heat in a power plant is provided by steam at different pressures. The required process temperature is regulated via the steam pressure. Depending on the process temperatures there can be pressures up to 160 bar, at temperatures up to 400 °C in the steam drums. Reliable control of water levels and fail safe limit of high and low water in the steam vessels are crucial for the safe operation of the plant.

[More details](#)



VEGAFLEX 86

Precise, continuous measured values in saturated steam with guided radar

- High plant safety via self-monitoring in extreme process temperatures and pressures
- Reliable measured values through automatic measurement correction (integrated steam compensation)
- Safe for use up to SIL2/3 according to IEC 61508

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VEGASWING 66

The vibrating level switch is used in the steam drum as a high and low water limiting device

- High security through self-monitoring of sensor element and electronics at high process temperatures and pressures
- Fast and reliable function test via the press of a button
- Flexible and trustworthy in applications up to SIL3

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PRO

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

VEGA