



Reliable

Reliable measurement, independent of both ambient and process conditions

Cost effective

Highly resistant materials ensure a long service life

User friendly

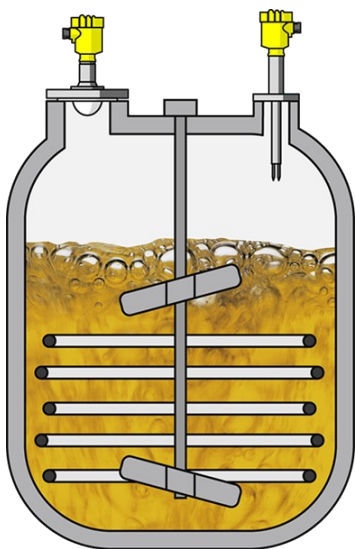
Simple installation and setup

Reaction vessel

Level measurement and point level detection in the reaction vessel

Changing media, as well as process pressures and temperatures, characterize the typical reaction processes in a reaction vessel. This is a big engineering challenge, because any sensors used to control the process need to deliver reliable measurements under these conditions. To meet the diverse conditions found in reaction vessels, level measurement and point level detection instrumentation must cover a broad spectrum of applications.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar in reaction vessels

- Measuring result unaffected by agitator thanks to false signal suppression
- High chemical resistance through PTFE antenna cover
- Small process fittings allow easy installation

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VEGASWING 63

Vibrating level switch for liquids for level detection as overflow and dry run protection system in the reaction vessel

- Media-independent switching point, reliable level information
- Highly resistant materials and coatings allow use in a variety of media
- Test button for easy testing of instrument functionality during operation

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PRO

VEGAPULS 6X
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Measuring range - Distance

120 m

Process temperature

-196 ... 450 °C

Process pressure

-1 ... 160 bar

Accuracy

± 1 mm

Frequency

6 GHz

26 GHz

80 GHz

Beam angle

≥ 3°

Materials, wetted parts

PTFE

PVDF

316L

PP

PEEK

Threaded connection

≥ G¾, ≥ ¾ NPT

Flange connection

≥ DN20, ≥ ¾"

Hygienic fittings

Clamp ≥ 1½" - DIN32676, ISO2852

Slotted nut ≥ 2", DN50 - DIN 11851

Varivent ≥ DN25

hygienic fitting with tension flange DN32

hygienic fitting F40 with compression nut

Hygienic screw connections ≥ DN50 tube ø53 -
DIN11864-1-A

Hygienic flange connection ≥ DN50 DIN11864-2

Hygienic clamp connection ≥ DN50 pipe ø53 - DIN11864-
3-A

DRD connection ø 65 mm

SMS 1145 DN51

PRO

VEGASWING 63
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Process temperature

-50 ... 250 °C

Process pressure

-1 ... 64 bar

Version

Standard

Hygienic applications

with gas-tight leadthrough

with tube extension

with temperature adapter

Materials, wetted parts

PFA

316L

Alloy C22 (2.4602)

Alloy 400 (2.4360)

ECTFE

Enamel

Threaded connection

≥ G¾, ≥ ¾ NPT

Flange connection

≥ DN25, ≥ 1"

Hygienic fittings

Clamp ≥ 1" - DIN32676, ISO2852

Slotted nut ≥ 1½", ≥ DN40 - DIN 11851

Varivent ≥ DN25

hygienic fitting F40 with compression nut

SMS 1145 DN51

SMS DN38

Hygienic fittings ≥ DN25 - DIN11864-1-A

Hygienic flange connection DIN11864-2-A;

DN60(ISO)ø60,3

SMS socket piece DN38 PN6

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

VEGA