



Reliable

Reliable measurement, independent of both ambient and process conditions

Cost effective

Highly resistant materials ensure a long service life

User friendly

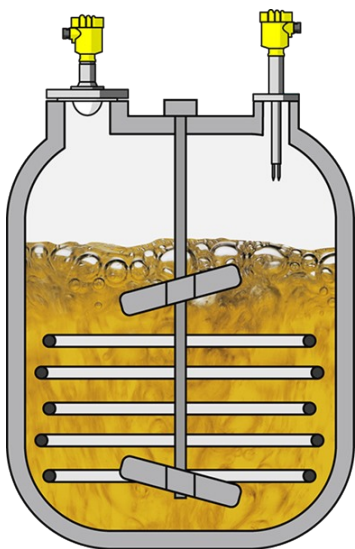
Simple installation and setup

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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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

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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