



Reliable

Reliable measurement, independent of both ambient and process conditions

Cost effective

Highly resistant materials ensure a long service life

User friendly

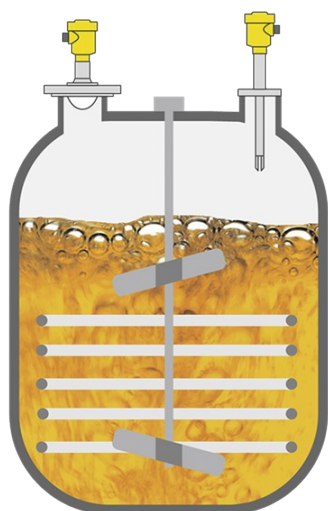
Simple installation and setup

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	PRO
VEGAPULS 6X Show Product	VEGASWING 63 Show Product
	
Measuring range - Distance 120 m	Process temperature -50 ... 250 °C
Process temperature -196 ... 450 °C	Process pressure -1 ... 64 bar
Process pressure -1 ... 160 bar	Version Standard Hygienic applications with gas-tight leadthrough with tube extension with temperature adapter
Accuracy ± 1 mm	Materials, wetted parts PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) ECTFE Enamel
Frequency 6 GHz 26 GHz 80 GHz	Threaded connection ≥ G¾, ≥ ¾ NPT
Beam angle ≥ 3°	Flange connection ≥ DN25, ≥ 1"
Materials, wetted parts PTFE PVDF 316L PP PEEK	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
Threaded connection ≥ G¾, ≥ ¾ NPT	Seal material no media contact
Flange connection ≥ DN20, ≥ ¾"	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
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	Protection rating IP66/IP67 IP66/IP68 (1 bar) IP65