

Reliable

Configuration of the measuring system ensures maximum safety for people and the environment

Cost effective

High availability and maintenance-free operation

User friendly

Fast installation and simple setup

Storage tanks for toxic liquids

Level measurement and point level detection in toxic liquids storage

Some chemical processes generate extremely toxic intermediates that have to be stored under the most stringent security measures. In order to be used in this application, the measurement technology must meet specific requirements in terms of design and functional reliability. A redundant sealing concept, an optional glass feedthrough (Second Line of Defense) and highly resistant materials provide the necessary security for the storage and processing of toxic media.

[More details](#)



VEGAPULS 6X

Continuous level measurement with radar in the storage tank for toxic media

- Non-contact measuring principle is independent of media properties
- Maximum safety with toxic media, thanks to ceramic process separation and additional glass sealing
- Highly resistant materials ensure a long service life
- Maintenance-free operation

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VEGASWING 63

Vibrating level switch for point level detection in the storage tank for toxic media

- Universally applicable for almost all liquids
- Additional safety through glass seal that ensures even better separation from the process (Second Line of Defense)
- Simple setup without calibration
- Test button for easy testing of instrument functionality during operation

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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