

Storage tanks for toxic liquids

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

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.



VEGAPULS 62

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

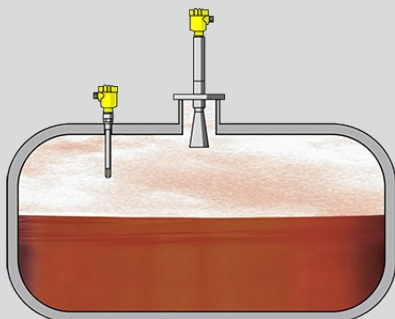
- Non-contact measuring principle is independent of media properties
- Maximum safety with toxic media, thanks to ceramic process separation and additional glass sealing
- Highly resistant materials ensure a long service life
- Maintenance-free operation



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





VEGAPULS 62	VEGASWING 63
Measuring range - Distance 35 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 ± 2 mm	
Version for separate horn antenna with ½" standpipe with horn antenna ø 40 mm with horn antenna ø 48 mm with horn antenna ø 75 mm with horn antenna ø 95 mm with parabolic antenna ø 245 mm	Materials, wetted parts PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) ECTFE Enamel
Materials, wetted parts 316L Alloy C22 (2.4602) 1.4848 Alloy 400 (2.4360) Tantalum	Threaded connection ≥ G¾, ≥ ¾ NPT
Threaded connection G1½, 1½ NPT	Flange connection ≥ DN25, ≥ 1"
Flange connection ≥ DN50, ≥ 2"	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 FKM FFKM graphit and ceramic	
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	
	Seal material no media contact
	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
	Protection rating IP 66/IP 67 IP 66/IP 68 (1 bar) IP 65