



## Bulk storage tanks

- Reliable
- Reliable protection against overfilling
- Cost effective
- Independent of product and process characteristics
- User friendly
- Simple setup and commissioning, maintenance-free

### Level measurement and point level detection in bulk storage tanks

Dependable storage is not only the basis for reliable production and supply, it also protects against raw material shortages and price volatility. In addition to regulations on the use of overfill protection or safety instrumented systems, large storage tanks are also often subject to hazardous area codes of practice in conjunction with level measurement.



#### VEGAPULS 64

Continuous level measurement with radar in bulk storage tanks

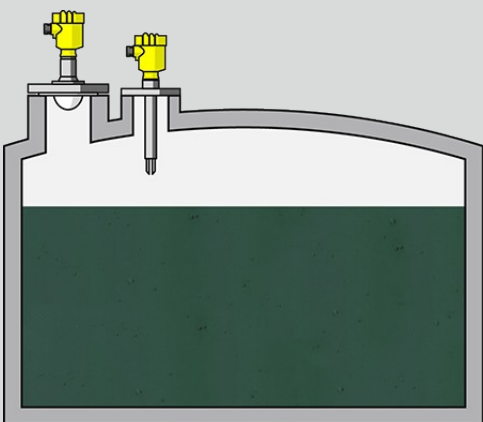
- Reliable measurement, independent of density and temperature changes
- Excellent signal focusing ensures high accuracy
- Long service life thanks to maintenance-free operation



#### VEGASWING 63

Point level detection with vibrating level switch for overfill protection in bulk storage tanks

- Universally applicable as overfill and dry run protection system for virtually all liquid applications
- Accurate level detection thanks to adjustment-free, media-independent switching point
- Highly resistant materials and coatings for long operational life
- Test button for easy testing of instrument functionality during operation





VEGAPULS 64	VEGASWING 63
Measuring range - Distance 30 m	Process temperature -50 ... 250 °C
Process temperature -196 ... 200 °C	Process pressure -1 ... 64 bar
Process pressure -1 ... 25 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 80 GHz	Threaded connection ≥ G¾, ≥ ¾ NPT
Beam angle ≥ 3°	Flange connection ≥ DN25, ≥ 1"
Version with plastic horn antenna ø 80 mm Thread with integrated horn antenna Flange with encapsulated antenna system Hygienic fitting with encapsulated antenna system	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
Materials, wetted parts PFA PTFE 316L Alloy C22 (2.4602) PEEK	Seal material no media contact
Threaded connection ≥ G¾, ≥ ¾ NPT	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
Flange connection ≥ DN50, ≥ 2"	Protection rating IP66/IP67 IP66/IP68 (1 bar) IP65