



Tank for liquid fuels

- Reliable
- Reliable measurement under all operating conditions
- Cost effective
- Optimal storage
- User friendly
- Maintenance-free operation

Level measurement and point level detection in tanks for liquid fuels

Large amounts of energy are needed to burn clinker in rotary kilns. Substitute liquid fuels such as spent oils or recovered solvents are often used for this purpose. The fuel storage tanks often contain a mixture of solvents, which can produce fumes and vapours in the air space. Due to the large amount of energy needed in cement production, the fuel inputs represent a significant cost factor, so accurate level measurement is essential.



VEGAPULS 64

Level measurement with radar in tanks for liquid fuels

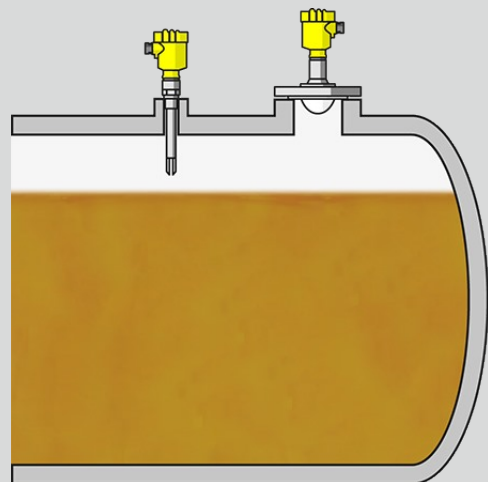
- Good focusing means reliable measurement right down to the bottom, thanks to 80 GHz technology
- Reliable measurement, independent of product properties
- Simple installation in small mounting sockets allows universal use



VEGASWING 63

Vibrating level switch for protection against overfilling in liquid fuel tanks

- Accurate and reliable function through product-independent switching Point
- Reliable point level detection in compliance with SIL2 and WHG
- Adjustment-free setup and maintenance-free 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