



Reliable

Reliable measurement under all operating conditions

Cost effective

Optimal storage

User friendly

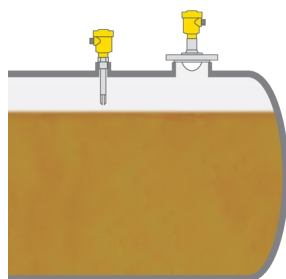
Maintenance-free operation

Tank for liquid fuels

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.

[More details](#)



VEGAPULS 6X

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

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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

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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