



Reliable

Reliable measurement under all operating conditions

Cost effective

Optimal storage

User friendly

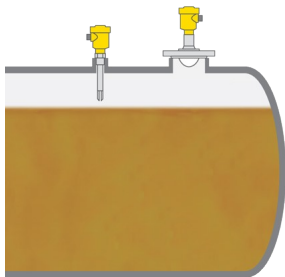
Maintenance-free operation

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

VEGAPULS 6X

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Measuring range - Distance
120 m

Process temperature
-196 ... 450 °C

Process pressure
-1 ... 160 bar

Accuracy
± 1 mm

Frequency
6 GHz
26 GHz
80 GHz

Beam angle
≥ 3°

Materials, wetted parts
PTFE
PVDF
316L
PP
PEEK

Threaded connection
≥ G $\frac{3}{4}$, ≥ $\frac{3}{4}$ NPT

Flange connection
≥ DN20, ≥ $\frac{3}{4}$ "

Hygienic fittings
Clamp ≥ 1 $\frac{1}{2}$ " - 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

PRO

VEGASWING 63

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Process temperature
-50 ... 250 °C

Process pressure
-1 ... 64 bar

Version
Standard
Hygienic applications
with gas-tight leadthrough
with tube extension
with temperature adapter

Materials, wetted parts
PFA
316L
Alloy C22 (2.4602)
Alloy 400 (2.4360)
ECTFE
Enamel

Threaded connection
≥ G $\frac{3}{4}$, ≥ $\frac{3}{4}$ NPT

Flange connection
≥ DN25, ≥ 1"

Hygienic fittings
Clamp ≥ 1" - DIN32676, ISO2852
Slotted nut ≥ 1 $\frac{1}{2}$ ", ≥ 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
no media contact

Housing material
Plastic
Aluminium
Stainless steel (precision casting)
Stainless steel (electropolished)

Protection rating
IP66/IP67
IP66/IP68 (1 bar)
IP65