



Reliable

Reliable measurement even during filling

Cost effective

Accurate measurement of the entire container volume

User friendly

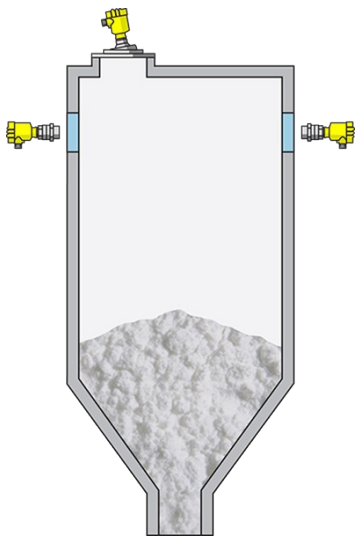
Simple mounting and setup

Lime silo I

Level measurement and point level detection in the lime silo

For flue gas desulfurization a continuous production of the lime milk is required, the lime is kept on hand in sufficient quantities in large silos. Lime tends to readily adhere to more or less anything, depending on its type and consistency, interfering with equipment like the operation of instruments. A robust, non-susceptible level measurement is therefore absolutely necessary for reliable lime logistics and stocking. That's why a non-contact measuring instrument that also works well in the very dusty environment is essential here.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar in the lime silo

- Non-contact, maintenance-free measurement
- High measurement certainty despite extreme dust generation
- High operational reliability, even when water condenses on instrument

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VEGAMIP 61

Non-contact point level detection with radar in the lime silo

- Non-contact, maintenance-free measurement
- Very long service life and low maintenance requirements through robust design
- Simple measurement from outside the container

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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
 Hygienice flange connection ≥ DN50 DIN11864-2
 Hygienic clamp connection ≥ DN50 pipe ø53 - DIN11864-3-A
 DRD connection ø 65 mm
 SMS 1145 DN51

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Measuring range - Distance

100 m

Process temperature

-40 ... 80 °C

Process pressure

-1 ... 4 bar

Version

hygienically encapsulated horn antenna
 for separate horn antenna
 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 plastic horn antenna ø 80 mm
 Horn antenna ø 1 $\frac{1}{2}$ "
 with encapsulated horn antenna

Materials, wetted parts
PTFE
316L
1.4848
PP
Threaded connection
≥ G $\frac{1}{2}$, ≥ $\frac{1}{2}$ NPT
Flange connection

≥ DN50, ≥ 2"

Hygienic fittings

Slotted nut ≥ 2", DN50 - DIN 11851
 Varivent ≥ DN25
 DRD connection ø 65 mm
 for NEUMO BioControl D50 PN16 / 316L

Seal material
FKM
FFKM
Housing material

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

VEGA