



Reliable

Reliable readings in spite of difficult measuring conditions

Cost effective

Maintenance costs are saved through air cleaning of antenna

User friendly

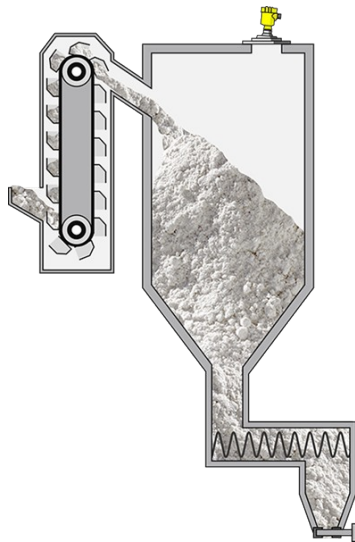
One radar sensor for all silo sizes

Quicklime silo

Level measurement in the quicklime silo

Quicklime is an important substance for the recovery of lye in pulp production. It is produced in the lime kiln through the combustion of lime sludge from causticisation. The quicklime is conveyed via a bucket elevator into the quicklime silo, where it is temporarily stored, and then discharged via screw conveyors into the lime dosing feeder for the causticising process. Continuous level measurement in the quicklime silo is required to ensure a reliable supply is readily available.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar in the quicklime silo.

- Reliable measurement in the presence of dust and contamination
- Easy alignment of the sensor with swivel mount and sensor app
- Good focusing allows retrofitting of sensor at any location

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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

≥ G¾, ≥ ¾ NPT

Flange connection

≥ DN20, ≥ ¾"

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