

Reliable

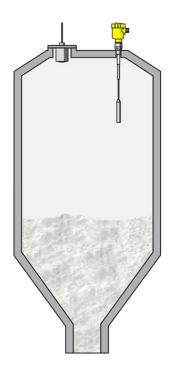
Certain measurement even during filling

Cost effective

Reliable measurement of the total material volume in the silo

User friendly

Simple installation and setup



Lime silo

Level measurement and high level detection in the lime silo

In the nitrogen and phosphorus removal stage, lime is used to stabilize the pH value. Stored in silos, the lime is added to the wastewater as a solid or as an aqueous suspension. The silo content is measured by a radar sensor and a point level sensor detects the maximum level and transmits a full signal.

More details



VEGAPULS C 23

Non-contact level measurement with radar in the lime silo

- Maintenance-free operation thanks to non-contact measuring method
- Reliable measurement despite strong dust generation and buildup on the sensor
- Very good focusing allows exact measurement even with material deposits on the silo walls

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VEGACAP 65

Point level detection for full signal during filling

- Point level detection for reliable high level alarm during filling
- Mechanically robust sensor version guarantees long service life
- cable length shortened for easy adaptation to vessel size

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VEGATOR 141

Double channel signal conditioning instrument for level detection

- Simple adjustment of the switching point through a potentiometer
- Clearly visible switching status via LED
- Simple installation through carrier rail mounting as well as detachable, coded terminals

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Measuring range - Distance

30 m

Process temperature

-40 ... 80 °C

Process pressure

-1 ... 3 bar

Accuracy

± 2 mm

Frequency 80 GHz

Beam angle

4°

Materials, wetted parts

PVDF

Threaded connection

G1, 1 NPT, R1

Protection rating

IP66/IP68 (3 bar), Type 6P

Output

4 ... 20 mA/HART Modbus

SDI-12

VEGACAP 65

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Measuring range - Distance

-

Process temperature

-50 ... 200 °C

Process pressure

-1 ... 64 bar

Version

Cable ø 6 mm with screening tube without weight

Cable ø 6 mm with screening tube and gravity weight

Cable ø 6 mm with gravity weight

Cable ø 8 mm with abrasion protection without weight Cable ø 8 mm with abrasion protection and gravity weight

Cable ø 8 mm with gravity weight

PA cable ø 12 mm with screening tube and gravity weight

Materials, wetted parts

PTFE

316L

PA

PEEK Steel

Threaded connection

≥ G1, ≥ 1 NPT

Flange connection

≥ DN50, ≥ 2"

Housing material

Plastic

Aluminium

Stainless steel (precision casting)

Stainless steel (electropolished)

Protection rating

IP66/IP68 (0,2 bar)

IP66/IP67

IP66/IP68 (1 bar)

Output

Relay (DPDT)

Contactless electronic switch

Transistor (NPN/PNP)

Two-wire

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Protection rating

IP20

Inpu

1 x 4 ... 20 mA sensor input

Output

1 x operating relay (SPDT)

Optionally 1 x fail safe relay output (SPDT)

Ambient temperature

-20 ... 60 °C

Signal input (specify)

4 ... 20 mA

Signal output (specify)

Operating relay

Fail safe relay

