

Reliable

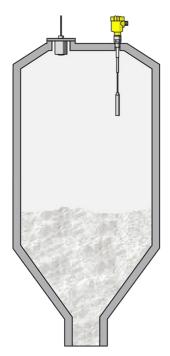
Certain measurement even during filling

Cost effective

Reliable measurement of the total material volume in the silo

User friendly

Simple installation and setup





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

Show Product

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

Show Product

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

Show Product



BASIC	PRO	
VEGAPULS C 23 Show Product	VEGACAP 65 Show Product	VEGATOR 141 Show Product
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Measuring range - Distance 30 m	Measuring range - Distance -	Protection rating IP20
Process temperature -40 80 °C	Process temperature -50 200 °C	Input 1 x 4 20 mA sensor input
Process pressure -1 3 bar	Process pressure -1 64 bar	Output 1 x operating relay (SPDT)
Accuracy ± 2 mm	Version Cable Ø 6 mm with screening tube without weight	Optionally 1 x fail safe relay output (SPDT) Ambient temperature
Frequency 80 GHz	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	-20 60 °C Signal input (specify)
Beam angle 4°	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	4 20 mA Signal output (specify)
Materials, wetted parts PVDF	Materials, wetted parts PTFE	Operating relay Fail safe relay
Threaded connection G1, 1 NPT, R1	316L PA PEEK	
Protection rating IP66/IP68 (3 bar), Type 6P	Steel Threaded connection	
Output 4 20 mA/HART Modbus SDI-12	≥ G1, ≥ 1 NPT Flange connection ≥ DN50, ≥ 2"	
	Housing material Plastic	

Aluminium

Output Relay (DPDT)

Two-wire

Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)

Stainless steel (precision casting) Stainless steel (electropolished)

Contactless electronic switch Transistor (NPN/PNP)