



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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BASIC	PRO	
VEGAPULS C 23 Show Product	VEGACAP 65 Show Product	VEGATOR 141 Show Product
		
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) Optionally 1 x fail safe relay output (SPDT)
Accuracy ± 2 mm	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	Ambient temperature -20 ... 60 °C
Frequency 80 GHz		Signal input (specify) 4 ... 20 mA
Beam angle 4°		Signal output (specify) Operating relay Fail safe relay
Materials, wetted parts PVDF		
Threaded connection G1, 1 NPT, R1	Materials, wetted parts PTFE 316L PA PEEK Steel	
Protection rating IP66/IP68 (3 bar), Type 6P	Threaded connection ≥ G1, ≥ 1 NPT	
Output 4 ... 20 mA/HART Modbus SDI-12	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	