



### 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

**VEGAPULS C 23**  
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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

## PRO

**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

**VEGATOR 141**  
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**Protection rating**  
IP20

**Input**  
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