



Reliable

Optimum protection against overfilling

Cost effective

Continuous measurement allows maximum use of container

User friendly

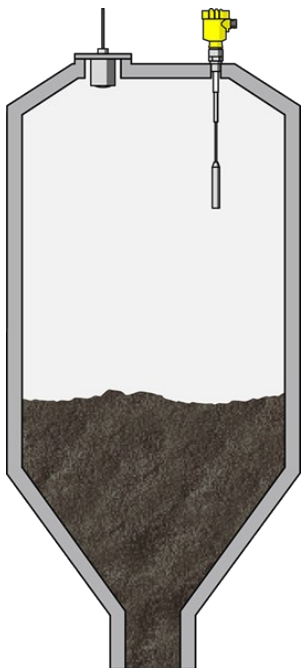
Reliable, maintenance-free operation

Sludge granulate silo

Level measurement and point level detection in the sludge granulate silo

After thermal drying, the sludge is stored in silos for further use. The granulated product is deposited in landfills, used in agriculture or burned for energy generation. The level measurement and point level detection ensure that the container volume is optimally utilized.

[More details](#)



VEGAPULS C 23

Continuous radar level measurement of the sludge granulate silo

- Simple mounting and setup
- Unaffected by dust generation
- Maintenance free thanks to contactless measurement
- Wireless operation via Bluetooth with smartphone, tablet or PC

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VEGACAP 65

Capacitive point level detection for filling control

- Reliable full-level signal during filling
- Robust mechanical design of sensor ensures a long service life
- Shortenable cable length for easy adaptation to local conditions

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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

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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

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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

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