



Reliable

Optimum protection against overfilling

Cost effective

Continuous measurement allows maximum use of container

User friendly

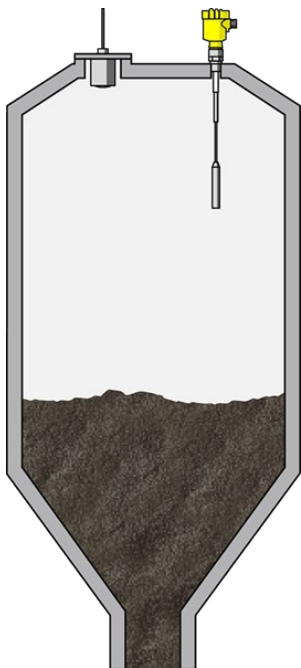
Reliable, maintenance-free operation

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