



## Sludge granulate silo

- Reliable
- Optimum protection against overfilling
- Cost effective
- Continuous measurement allows maximum use of container
- User friendly
- Reliable, maintenance-free operation

### 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 disposed of 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.



#### VEGAPULS C 23

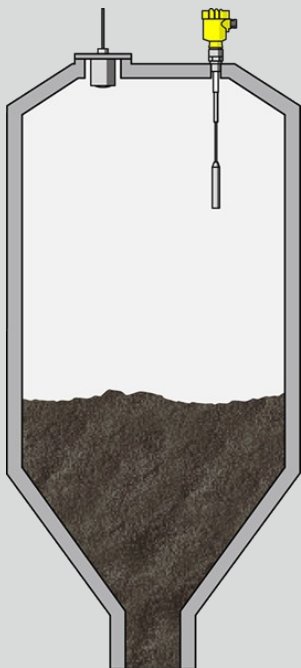
Continuous radar level measurement of the sludge granulate silo

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

#### 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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VEGAPULS C 23	VEGACAP 65
Measuring range - Distance 30 m	Process temperature -50 ... 200 °C
Process temperature -40 ... 80 °C	Process pressure -1 ... 64 bar
Process pressure -1 ... 3 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
Accuracy ± 2 mm	
Frequency 80 GHz	
Beam angle 4°	
Materials, wetted parts PVDF	Materials, wetted parts PTFE 316L PA PEEK Steel
Threaded connection G1, 1 NPT, R1	Threaded connection ≥ G1, ≥ 1 NPT
Protection rating IP66/IP68 (3 bar), Type 6P	Flange connection ≥ DN50, ≥ 2"
Output 4 ... 20 mA/HART Modbus SDI-12	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
	Ambient temperature -40 ... 80 °C