



Storage tank for solid raw materials

Reliable

Reliable measurement under rough conditions

Cost effective

Maintenance-free operation despite the presence of abrasive and adhesive products

User friendly

Simple installation and setup

Level measurement and point level detection in the storage tank for solid raw materials

The solid raw materials such as gravel, clay, barite, cement and binders are essential for creating the different properties of the drilling mud. These materials are stored for mud production in storage tanks. To ensure optimal storage, reliable level measurement and point level detection are required.



VEGAPULS 69

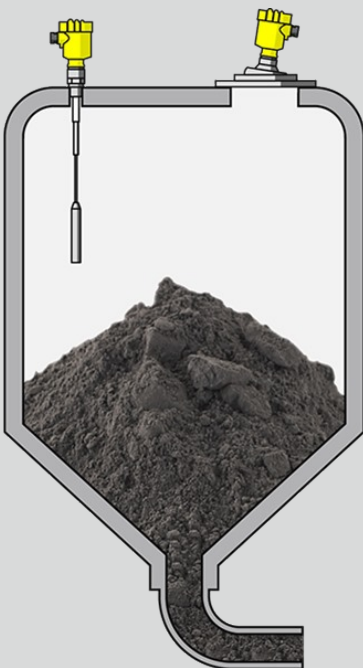
Level measurement with radar in the storage tank for solid raw materials

- Swivelling holder allows optimal sensor alignment
- High equipment availability, as wear and maintenance-free
- Reliable measurement, unaffected by dust and noise

VEGACAP 65

Capacitive level switch prevents overfilling in the storage tank for solid raw materials

- Robust design ensures a long service life
- SIL2 qualification increases plant safety
- Easy on-site customization thanks to shortenable cable probe





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VEGAPULS 69	VEGACAP 65
Measuring range - Distance 120 m	Process temperature -50 ... 200 °C
Process temperature -40 ... 200 °C	Process pressure -1 ... 64 bar
Process pressure -1 ... 20 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 ± 5 mm / ± 0.2"	Materials, wetted parts PTFE 316L PA PEEK Steel
Frequency 80 GHz	Threaded connection ≥ G1, ≥ 1 NPT
Beam angle ≥ 3,5°	Flange connection ≥ DN50, ≥ 2"
Version with plastic horn antenna ø 80 mm Metal jacketed lens antenna	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
Materials, wetted parts 316L PP PEEK	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)
Threaded connection G1½, 1½ NPT	Output Relay (DPDT) Contactless electronic switch Transistor (NPN/PNP) Two-wire
Flange connection ≥ DN80, ≥ 3"	Ambient temperature -40 ... 80 °C