



#### Reliable

Reliable measurement under rough conditions

#### Cost effective

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

#### User friendly

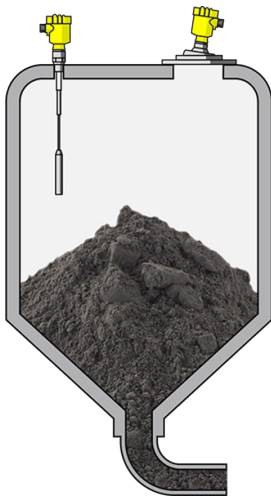
Simple installation and setup

## Storage tank for solid raw materials

### 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.

[More details](#)



#### 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

[Show Product](#)



#### 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

[Show Product](#)

PRO

PRO

**VEGAPULS 69**[Show Product](#)**VEGACAP 65**[Show Product](#)**Measuring range - Distance**

120 m

**Measuring range - Distance**

-

**Process temperature**

-196 ... 450 °C

**Process temperature**

-50 ... 200 °C

**Process pressure**

-1 ... 160 bar

**Process pressure**

-1 ... 64 bar

**Accuracy**

± 1 mm

**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

**Frequency**

6 GHz  
 26 GHz  
 80 GHz

**Beam angle**

≥ 3°

**Materials, wetted parts**

PTFE  
 PVDF  
 316L  
 PP  
 PEEK

**Materials, wetted parts**

PTFE  
 316L  
 PA  
 PEEK  
 Steel

**Threaded connection**

≥ G¾, ≥ ¾ NPT

**Threaded connection**

≥ G1, ≥ 1 NPT

**Flange connection**

≥ DN20, ≥ ¾"

**Flange connection**

≥ DN50, ≥ 2"

**Hygienic fittings**

Clamp ≥ 1½" - DIN32676, ISO2852  
 Slotted nut ≥ 2", DN50 - DIN 11851  
 Varivent ≥ DN25  
 hygienic fitting with tension flange DN32  
 hygienic fitting F40 with compression nut  
 Hygienic screw connections ≥ DN50 tube ø53 -  
 DIN11864-1-A  
 Hygienic flange connection ≥ DN50 DIN11864-2  
 Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-  
 3-A  
 DRD connection ø 65 mm  
 SMS 1145 DN51

**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