



#### Reliable

Reliable measurement under rough conditions

#### Cost effective

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

#### User friendly

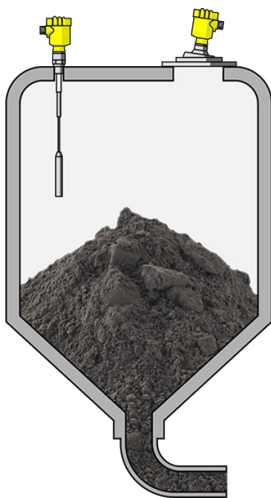
Simple installation and setup

## 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

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#### 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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PRO

PRO

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

120 m

**Process temperature**

-196 ... 450 °C

**Process pressure**

-1 ... 160 bar

**Accuracy**

± 1 mm

**Frequency**

6 GHz

26 GHz

80 GHz

**Beam angle**

≥ 3°

**Materials, wetted parts**

PTFE

PVDF

316L

PP

PEEK

**Threaded connection**

≥ G¾, ≥ ¾ NPT

**Flange connection**

≥ DN20, ≥ ¾"

**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

**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