

#### Reliable

Reliable measurement despite rough conditions

#### Cost effective

Maintenance-free operation even in adhesive media

#### User friendly

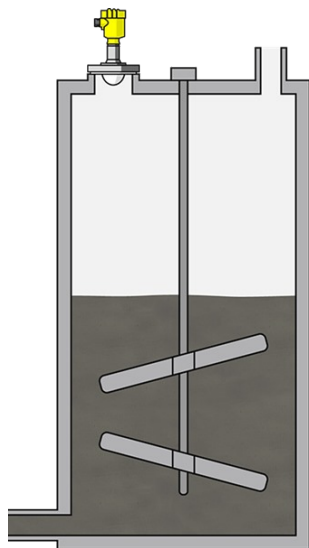
Simple installation thanks to small antenna systems

## Mud tank level

### Level measurement in mud tanks

In the mud tanks, agitators or jet nozzles stir and mix the mud to ensure a homogeneous mixture. To enable a continuous process, the level measurement must be reliable and independent of the composition of the drilling mud.

[More details](#)



### VEGAPULS 6X

Non-contact level measurement with radar in mud tanks

- High measurement accuracy, independent of the properties of the medium
- Strong signal focusing ensures reliable measurement even with an agitator
- Continuous, maintenance-free operation despite heavy soiling

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**VEGAPULS 6X**  
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**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