



#### Reliable

Reliable measurement even during filling

#### Cost effective

Reliable measurement of the entire container volume

#### User friendly

Simple mounting and setup

## Pump tank

### Level measurement in a pump tank

Bauxite, lime and sodium hydroxide are ground and mixed in a ball mill – the mixture turns into a red slurry, which is then conveyed into the pumping tank. Some of the balls from the mill can potentially enter the tank along with the slurry. To prevent this from happening, the balls are collected in a weir arrangement, which overflows into the main tank. Level measurement in the tank avoids dry running of the pump and ensures a continuous process.

[More details](#)



### VEGAPULS 6X

Radar sensor for continuous level measurement in the pump tank

- Unaffected by condensate and deposits on the antenna
- High corrosion resistance to caustic soda
- Maintenance-free through non-contact measurement

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**VEGAPULS 6X**[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