



Pump tank

Reliable

Reliable measurement even during filling

Cost effective

Reliable measurement of the entire container volume

User friendly

Simple mounting and setup

Level measurement in a pump tank

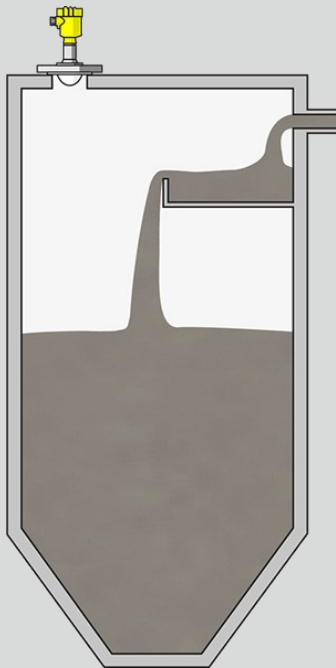
Bauxite, lime and sodium hydroxide are ground and mixed in a ball mill – the mixture turns into a red slurry, which is then conveyed into the pumping tank. Some of the balls from the mill can potentially enter the tank along with the slurry. To prevent this from happening, the balls are collected in 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.



VEGAPULS 64

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





VEGAPULS 64

Measuring range - Distance

30 m

Process temperature

-196 ... 200 °C

Process pressure

-1 ... 25 bar

Accuracy

± 1 mm

Frequency

80 GHz

Beam angle

≥ 3°

Version

with plastic horn antenna ø 80 mm

Thread with integrated horn antenna

Flange with encapsulated antenna system

Hygienic fitting with encapsulated antenna system

Materials, wetted parts

PFA

PTFE

316L

Alloy C22 (2.4602)

PEEK

Threaded connection

≥ G¾, ≥ ¾ NPT

Flange connection

≥ DN50, ≥ 2"