



Alumina powder stirring tank

- Reliable
- Precise measurement in tank with stirrer
- Cost effective
- Optimal tank volume utilization
- User friendly
- Simple mounting and setup

Level measurement in the alumina powder stirring tank

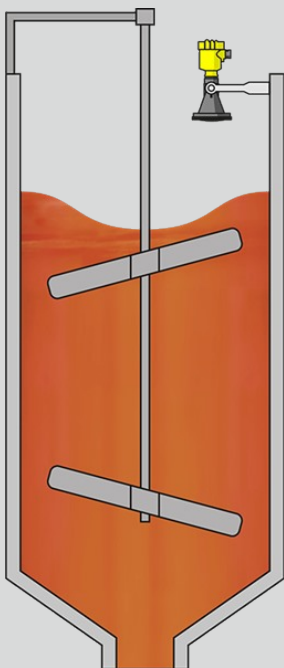
The extraction of Aluminium from natural deposits of bauxite requires complex and expensive processes. In the 'Bayer process, the bauxite is first mixed with sodium hydroxide, autoclaved and then stirred. After that, it is fed into the calciner (high temperature kiln), where it dehydrates to a fine white powder, aluminium oxide (Al_2O_3). Level measurement in this tank ensures optimal operation of the process.



VEGAPULS 64

Non-contact level measurement with radar in stirring tanks

- Reliable measurement even with strongly agitated product surface
- High measurement certainty despite heavy condensation formation
- High operational availability, because wear and maintenance-free





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"