



## Reactor

### Reliable

Reliable measurement despite small dielectric constants

### Cost effective

Reliable measurement of the entire reactor volume

### User friendly

Simple mounting and setup

### Level measurement in an aluminium powder suspension reactor

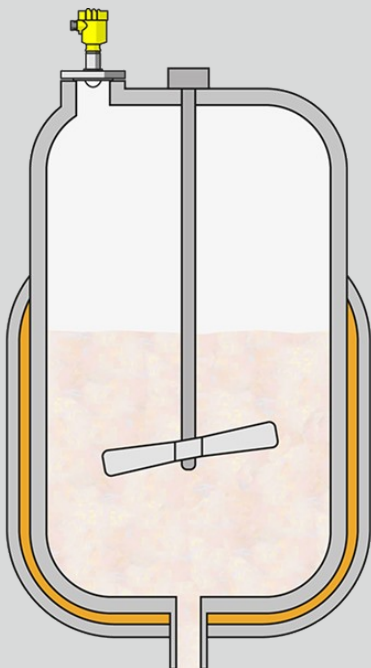
Aluminium powder suspension is an intermediate for titanium sponge production. In the reactor, vanadium oxide trichloride is removed from the aluminium powder suspension. When the aluminium powder suspension is fed into the reactor, strong turbulence arises on the product surface. To optimize the process, the level in the reactor must be accurately measured and monitored.



### VEGAPULS 64

Non-contact level measurement with radar in the reactor

- Good signal focussing allows use in tight spaces
- Unaffected by condensate and deposits on the antenna
- Strong focussing allows reliable measurement at close range and at the bottom of the tank as well as in media with low dielectric constant
- 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

### 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"

### Hygienic fittings

Clamp ≥ 2", DN50 - DIN32676, ISO2852

Slotted nut ≥ 2", DN50 - DIN 11851

DRD connection ø 65 mm

for NEUMO BioControl D50 PN16 / 316L

### Seal material

EPDM

FKM

FFKM