



#### Reliable

Reliable content measurement of alumina

#### Cost effective

Maintenance-free operation

#### User friendly

Simple mounting and setup

## Alumina powder silo

### Level measurement and point level detection in alumina powder silos

The alumina powder is kept ready in storage and day silos for subsequent smelting. Aluminium smelting is carried out in the fused salt electrolysis process, where pure liquid aluminium is extracted from aluminium oxide. Optimal storage is ensured by level measurement and point level detection.

[More details](#)



#### VEGAPULS 6X

Non-contact level measurement with radar in storage silos

- Reliable measurement, unaffected by dust
- Easy sensor alignment via aiming flange and alignment app for smartphone
- Maintenance-free operation thanks to encapsulated antenna system

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#### VEGAWAVE 62

Vibrating level switch as overflow protection in storage silos

- Reliable function through product-independent switching point
- Immune to buildup
- Simple setup without adjustment

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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

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## VEGAWAVE 62

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**Measuring range - Distance**  
-

**Process temperature**  
-40 ... 150 °C

**Process pressure**  
-1 ... 6 bar

**Version**  
Detection of solids in water  
Suspension cable

**Materials, wetted parts**  
316L  
FEP  
PUR

**Threaded connection**  
≥ G1½, ≥ 1½ NPT

**Flange connection**  
≥ DN50, ≥ 2"

**Seal material**  
CR, CSM

**Housing material**  
Plastic  
Aluminium  
Stainless steel (precision casting)  
Stainless steel (electropolished)

**Protection rating**  
IP66/IP68 (0,2 bar)  
IP66/IP67  
IP66/IP68 (1 bar)