



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

PRO

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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)