



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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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)