



Reliable

Reliable readings in spite of difficult measuring conditions

Cost effective

Maintenance costs removed by air cleaning of antenna

User friendly

One radar sensor for all silo sizes, simple to install

Ash silo

Level measurement and point level detection in the ash silo

Large quantities of fibre waste are produced during paper production. These are dried and burned and the energy released during combustion is used as process heat or to generate electricity. The ash is stored in high silos to be later used as an additive in the building materials industry. When the ash silo is filled, a great amount of noise and dust is generated and the material forms large angles of repose and overhangs. Filling, emptying and transportation logistics are controlled through the level measurement system.

[More details](#)



VEGAPULS 6X

Radar level measurement for controlling the filling and emptying process in the ash silo

- Reliable measurement under difficult process conditions
- Easy alignment of the sensor with swivel mount and sensor app
- Good focusing allows retrofitting of sensor at any position

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VEGACAP 64

Capacitive point level detection for overflow protection

- Reliable switching signals even under difficult process conditions
- Function unaffected by buildup
- Long service life thanks to robust construction

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PRO

PRO

VEGAPULS 6X
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VEGACAP 64
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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

Measuring range - Distance
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Process temperature
 -50 ... 200 °C

Process pressure
 -1 ... 64 bar

Version
 PTFE insulation

Materials, wetted parts
 PTFE
 316L
 Alloy C22 (2.4602)
 Steel C22.8

Threaded connection
 ≥ G¾, ≥ ¾ NPT

Flange connection
 ≥ DN25, ≥ 1"

Seal material
 no media contact

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

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