



Reliable

Reliable continuous measurement, even during filling

Cost effective

Optimal container volume utilization

User friendly

Volume display and sensor adjustment in a convenient location

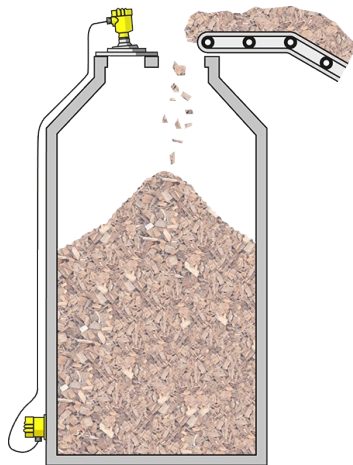
Wood chip silo

Wood chip silo level measurement

The wood chips are transferred via conveyor belts to storage silos up to 25 m high and stored there temporarily for further processing. The silos are filled and emptied in batches. During the process, large amounts of dust are generated, material cones and bridges form, which collapse during emptying.

Reliable level measurement is needed here to ensure supplies for downstream processes and facilitate logistics planning.

[More details](#)



VEGAPULS 6X

Level measurement with radar in the wood chip silo

- Reliable function despite heavy dust from dry wood chips
- Precise alignment with the angle of repose by means of swivelling holder
- With a tightly focused measurement signal, it is unaffected by vessel internals

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Measured value display and sensor adjustment

- Measured value display and sensor adjustment in a readily accessible location
- Easy-to-read display with plain text and graphics
- Simple operation via four keys and clearly structured menu

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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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Housing material
 Plastic
 Aluminium
 Stainless steel (precision casting)

Protection rating
 IP66/IP67

Ambient temperature
 -20 ... 70 °C

Signal input (specify)
 plics sensor (serial)

Signal output (specify)
 Display