



#### 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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### VEGADIS 81

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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**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

**VEGADIS 81**  
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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