



#### 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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## 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**  
≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  NPT

**Flange connection**  
≥ DN20, ≥  $\frac{3}{4}$ "

**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

## VEGACAP 64

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**Measuring range - Distance**  
-

**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**  
≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  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)