



## Ash silo

### Reliable

Reliable readings in spite of difficult measuring conditions

### Cost effective

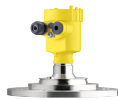
Maintenance costs removed by air cleaning of antenna

### User friendly

One radar sensor for all silo sizes, simple to install

### 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.



### VEGAPULS 69

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



### 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



VEGAPULS 69	VEGACAP 64
Measuring range - Distance 120 m	Process temperature -50 ... 200 °C
Process temperature -40 ... 200 °C	Process pressure -1 ... 64 bar
Process pressure -1 ... 20 bar	Version PTFE insulation
Accuracy ± 5 mm / ± 0.2"	Materials, wetted parts PTFE 316L Alloy C22 (2.4602) Alloy 400 (2.4360) Steel C22.8
Frequency 80 GHz	Threaded connection ≥ G¾, ≥ ¾ NPT
Beam angle ≥ 3,5°	Flange connection ≥ DN25, ≥ 1"
Version with plastic horn antenna ø 80 mm Metal jacketed lens antenna	Seal material no media contact
Materials, wetted parts 316L PP PEEK	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
Threaded connection G1½, 1½ NPT	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)
Flange connection ≥ DN80, ≥ 3"	Output Relay (DPDT) Contactless electronic switch Transistor (NPN/PNP) Two-wire