



Silo for solid fuels

Reliable

Reliable measurement ensures a continuous supply of fuel

Cost effective

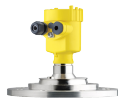
Exact content measurement reduces logistics costs

User friendly

Maintenance-free operation

Level measurement and point level detection in silos for solid fuels

Large amounts of energy are needed to burn clinker in rotary kilns. Apart from conventional energy sources such as gas, oil and coal, solid substitute fuels such as dried sewage sludge, old tires or meat and bone meal are increasingly being used. Since the required amounts of energy represent a significant cost factor in cement production, exact level measurement of the solid fuels is essential.



VEGAPULS 69

Level measurement with radar in silos for solid fuels

- High measurement certainty, independent of product properties
- Exact measurement to the bottom of the discharge funnel thanks to small beam angle
- Very good signal focusing reduces interfering reflections



VEGAWAVE 62

Overfill protection with vibrating level switch in silos for solid fuels

- Reliable function through product-independent switching point
- Immune to buildup
- Very robust construction minimizes maintenance costs





VEGAPULS 69	VEGAWAVE 62
Measuring range - Distance 120 m	Process temperature -40 ... 150 °C
Process temperature -40 ... 200 °C	Process pressure -1 ... 6 bar
Process pressure -1 ... 20 bar	Version Detection of solids in water Suspension cable
Accuracy ± 5 mm / ± 0.2"	Materials, wetted parts 316L FEP PUR
Frequency 80 GHz	Threaded connection ≥ G1½, ≥ 1½ NPT
Beam angle ≥ 3,5°	Flange connection ≥ DN50, ≥ 2"
Version with plastic horn antenna ø 80 mm Metal jacketed lens antenna	Seal material CR, CSM
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 NAMUR