



Reliable

Reliable measurement ensures a continuous supply of fuel

Cost effective

Exact content measurement reduces logistics costs

User friendly

Maintenance-free operation

Silo for solid fuels

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.

[More details](#)



VEGAPULS 6X

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

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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

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PRO	PRO
VEGAPULS 6X Show Product	VEGAWAVE 62 Show Product
	
Measuring range - Distance 120 m	Measuring range - Distance -
Process temperature -196 ... 450 °C	Process temperature -40 ... 150 °C
Process pressure -1 ... 160 bar	Process pressure -1 ... 6 bar
Accuracy ± 1 mm	Version Detection of solids in water Suspension cable
Frequency 6 GHz 26 GHz 80 GHz	Materials, wetted parts 316L FEP PUR
Beam angle ≥ 3°	Threaded connection ≥ G1½, ≥ 1½ NPT
Materials, wetted parts PTFE PVDF 316L PP PEEK	Flange connection ≥ DN50, ≥ 2"
Threaded connection ≥ G¾, ≥ ¾ NPT	Seal material CR, CSM
Flange connection ≥ DN20, ≥ ¾"	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
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	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)