



### 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

**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

PRO

**VEGAWAVE 62**  
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**Measuring range - Distance**  
 -

**Process temperature**  
 -40 ... 150 °C

**Process pressure**  
 -1 ... 6 bar

**Version**  
 Detection of solids in water  
 Suspension cable

**Materials, wetted parts**  
 316L  
 FEP  
 PUR

**Threaded connection**  
 ≥ G1½, ≥ 1½ NPT

**Flange connection**  
 ≥ DN50, ≥ 2"

**Seal material**  
 CR, CSM

**Housing material**  
 Plastic  
 Aluminium  
 Stainless steel (precision casting)  
 Stainless steel (electropolished)

**Protection rating**  
 IP66/IP68 (0,2 bar)  
 IP66/IP67  
 IP66/IP68 (1 bar)