



#### Reliable

Reliable content measurement in the fly ash silo

#### Cost effective

Maintenance-free operation through non-contact measurement

#### User friendly

Simple mounting and setup

## Fly ash silo, ash bunker

### Level measurement and point level detection in the fly ash silo or bunker

The burning of coal creates huge quantities of ash. It is collected in a silo or bunker and then dumped into an open pit. To determine the filling height, radar transmitters and level detectors are deployed in the respective vessels.

[More details](#)



#### VEGAWAVE 63

The vibrating level switch dependably prevents an overfilling of silos and bunkers

- Product-independent switching point, thus ideal for bulk solids
- Robust design ensures minimal costs for maintenance and repair
- Approved according to Ex and SIL2

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#### VEGAPULS 6X

In silos and bunkers, radar sensors are mainly used to determine the filling height

- High plant availability thanks to wear and maintenance-free measuring instrument
- Non-contact measurement; unaffected by steam, dust and noise
- Ideal for measurement of bulk solids in high silos and bunkers

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PRO

PRO

**VEGAWAVE 63**  
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**VEGAPULS 6X**  
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**Measuring range - Distance**

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**Measuring range - Distance**

120 m

**Process temperature**

-50 ... 250 °C

**Process temperature**

-196 ... 450 °C

**Process pressure**

-1 ... 25 bar

**Process pressure**

-1 ... 160 bar

**Version**

Detection of solids in water  
 with tube extension  
 with temperature adapter

**Accuracy**

± 1 mm

**Materials, wetted parts**

316L

**Frequency**

6 GHz  
 26 GHz  
 80 GHz

**Threaded connection**

≥ G1½, ≥ 1½ NPT

**Beam angle**

≥ 3°

**Flange connection**

≥ DN50, ≥ 2"

**Materials, wetted parts**

PTFE  
 PVDF  
 316L  
 PP  
 PEEK

**Hygienic fittings**

Clamp ≥ 2", DN50 - DIN32676, ISO2852

**Threaded connection**

≥ G¾, ≥ ¾ NPT

**Seal material**

no media contact

**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