



#### Reliable

Reliable measurement even during filling

#### Cost effective

Reliable measurement of the entire vessel volume

#### User friendly

Simple mounting and setup

## Silo for filter dust

### Level measurement and point level detection in the filter dust silo

In power plants, the flue gases are cleaned in several ways. One of them is electrostatic filtering, which efficiently extracts large amounts of dust from the gases. This material is collected in a silo and further processed. Level measuring instruments and level detectors are used to monitor the silo.

[More details](#)



#### VEGAPULS 6X

The radar instrument monitors the level in the silo and allows the disposal of the material to be optimally planned

- 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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#### VEGACAP 65

Capacitive sensors for level detection in the ash silo prevent overfilling

- Lower costs due to rugged construction and minimal servicing requirements
- Large gravity weight ensures reliable switching point
- Great flexibility thanks to shortenable probe, thus ideal for bulk solids

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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

Hygienice flange connection ≥ DN50 DIN11864-2

Hygienic clamp connection ≥ DN50 pipe ø53 - DIN11864-

3-A

DRD connection ø 65 mm

SMS 1145 DN51

PRO

**VEGACAP 65**  
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**Measuring range - Distance**

-

**Process temperature**

-50 ... 200 °C

**Process pressure**

-1 ... 64 bar

**Version**

Cable ø 6 mm with screening tube without weight

Cable ø 6 mm with screening tube and gravity weight

Cable ø 6 mm with gravity weight

Cable ø 8 mm with abrasion protection without weight

Cable ø 8 mm with abrasion protection and gravity weight

Cable ø 8 mm with gravity weight

PA cable ø 12 mm with screening tube and gravity weight

**Materials, wetted parts**

PTFE

316L

PA

PEEK

Steel

**Threaded connection**

≥ G1, ≥ 1 NPT

**Flange connection**

≥ DN50, ≥ 2"

**Housing material**

Plastic

Aluminium

Stainless steel (precision casting)

Stainless steel (electropolished)

**Protection rating**

IP66/IP68 (0,2 bar)

IP66/IP67

IP66/IP68 (1 bar)

**Output**

Relay (DPDT)

Contactless electronic switch

Transistor (NPN/PNP)

Two-wire

**VEGA**