



#### Reliable

Reliable measurement even in dusty and noisy environments

#### Cost effective

Optimal filling of the silos

#### User friendly

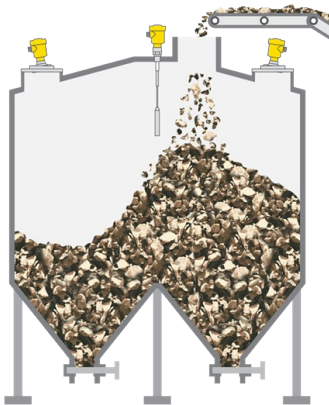
Maintenance-free operation

## Large storage silos

### Level measurement and point level detection in large storage silos

To ensure continuous production, even if material production is interrupted, the raw materials are stored in large bunkers with heights of over 30 m and diameters of up to 20 m. The large dimensions of the silos require the filling and emptying to take place at multiple points. Uniform filling and emptying of the bunkers is achieved through level measurement at various points in the bunker.

[More details](#)



#### VEGAPULS 6X

Non-contact level measurement with radar in large silos

- Maximum operational reliability thanks to noise insensitivity
- Measurement not affected by dust, abrasion or product moisture content
- Easy aligning of the measurement with integrated swivel mount and app for smartphones

[Show Product](#)



#### VEGACAP 65

Capacitive point level detection in large silos

- Long service life thanks to robust and adjustable cable probe
- Reliable measuring results, unaffected by buildup
- Simple installation and Setup

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PRO

PRO

**VEGAPULS 6X**[Show Product](#)**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

**VEGACAP 65**[Show Product](#)**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