



#### Reliable

Reliable measurement, independent of media properties and container geometry

#### Cost effective

Maintenance-free operation

#### User friendly

Universally applicable for almost all bulk solids

## Silos for bulk solids

### Level measurement and point level detection in silos

In the chemical industry, many different kinds of bulk solids are produced or used as raw materials. To ensure reliable measurement of silo contents, many factors must be considered: different bulk densities, abrasive properties, dust generation and the requirements of explosion protection. Implementation of the most suitable level sensors ensures optimal production planning and reliable logistics for the finished products.

[More details](#)



#### VEGAPULS 6X

Non-contact radar level measurement in bulk solids silos

- Reliable measurement even with large amounts of dust and filling noise
- Suitable even for high, narrow silos or segmented containers, thanks to good signal focusing
- Can be used in media of differing consistency and in different measuring ranges
- Simple installation and calibration, even on filled silos

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#### VEGAVIB 63

Point level detection with vibrating level switches in bulk solids silos

- Universally applicable for all granulated bulk solids
- Wear and maintenance-free measurement
- Simple, adjustment-free setup and commissioning

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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

**VEGAVIB 63**  
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**Process temperature**

-50 ... 250 °C

**Process pressure**

-1 ... 16 bar

**Version**
Detection of solids in water  
with tube extension
**Materials, wetted parts**

316L

**Threaded connection**

≥ G1, ≥ 1 NPT

**Flange connection**

≥ DN 32, ≥ 1½"

**Hygienic fittings**

Slotted nut ≥ 1½", ≥ DN40 - DIN 11851

Slotted nut ≥ 2", DN50 - DIN 11851

Varivent ≥ DN32

hygienic fitting with tension flange DN32

hygienic fitting F40 with compression nut

Hygienic screw connections ≥ DN50 tube ø53 -

DIN11864-1-A

Clamp ≥ 3½", DN80 - DIN32676, ISO2852

Slotted nut ≥ 3", DN65 - DIN 11851

Hyg. collar clamp adapter DN40PN40 DIN11864-3-A

**Seal material**

no media contact

**Housing material**

Plastic

Aluminium

Stainless steel (precision casting)

Stainless steel (electropolished)

**Protection rating**

IP66/IP68 (0,2 bar)

IP66/IP67

IP66/IP68 (1 bar)

**VEGA**