



#### Reliable

Reliable measurement independent of the medium

#### Cost effective

Better utilisation of silo capacity and product through reliable measurement

#### User friendly

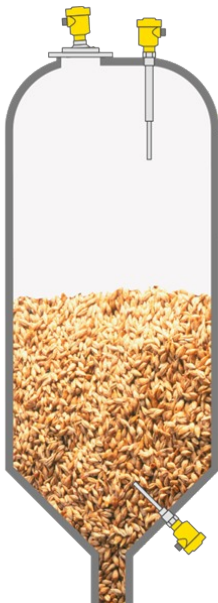
Simple calibration

## Grain silo

### Level measurement and point level detection in the grain silo

Barley is stored in malt houses in silos up to 20 metres high before it is processed into malt for production of beer. Filling the silos generates a lot of dust and the material cone geometry constantly changes during the filling and emptying process. A reliable indication of the level ensures the smooth operation by sending signals corresponding to the level or possible limit levels of the grain.

#### More details



#### VEGAPULS 6X

Radar level measurement in the grain silos for malt production

- Reliable measurement, independent of dusty environment
- High reliability through tight focusing
- Maintenance-free operation through non-contact measuring method

#### Show Product



#### VEGAVIB 63

Vibrating level switch for detection of maximum levels in silos

- High measurement reliability thanks to compact rod design
- Reliable level detection, even with low bulk densities and changing media
- Simple installation near the filling opening

#### Show Product



#### VEGAVIB 61

Vibrating level switch for detection of minimum level to avoid empty silo

- Compact rod design avoids buildup on the sensor
- Simple installation near the discharge opening
- Reliable function through product-independent switching point

#### Show Product

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)

PRO

**VEGAVIB 61**  
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**Measuring range - Distance**  
 -

**Process temperature**  
 -50 ... 250 °C

**Process pressure**  
 -1 ... 16 bar

**Version**  
 Standard  
 Detection of solids in water

**Materials, wetted parts**  
 316L

**Threaded connection**  
 ≥ G1, ≥ 1 NPT

**Flange connection**  
 ≥ DN 32, ≥ 1½"

**Hygienic fittings**  
 Clamp ≥ 1½" - DIN32676, ISO2852  
 Slotted nut ≥ 2", DN50 - DIN 11851  
 hygienic fitting F40 with compression nut  
 Hygienic screw connections ≥ DN50 tube ø53 -  
 DIN11864-1-A  
 Hygienic fittings ≥ DN25 - DIN11864-1-A  
 Hyg. clamp connection DIN11864-3-A; DN50 Rohr ø53  
 Hygienic fittings ≥ DN50 pipe ø70 - DIN11864-1-A

**Seal material**  
 no media contact

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