



Reliable

Reliable measurement independent of the medium

Cost effective

Better utilisation of silo capacity and product through reliable measurement

User friendly

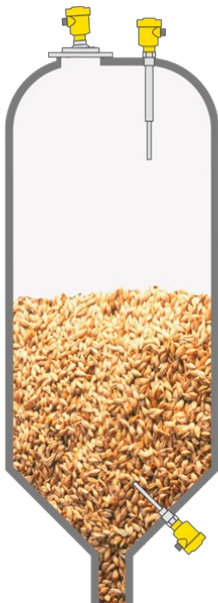
Simple calibration

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

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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

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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

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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

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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)

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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)