



### Reliable

Reliable measurement independent of the medium

### Cost effective

Better utilisation of silo capacity and product through reliable measurement

### User friendly

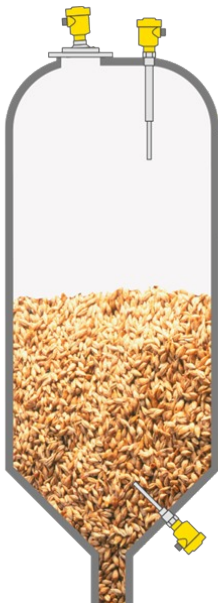
Simple calibration

## 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  |  |
|--|--|
| <b>VEGAPULS 6X</b><br><a href="#">Show Product</a>   |  |
|   |  |
| <b>Measuring range - Distance</b><br>120 m   |  |
| <b>Process temperature</b><br>-196 ... 450 °C  |  |
| <b>Process pressure</b><br>-1 ... 160 bar  |  |
| <b>Accuracy</b><br>± 1 mm  |  |
| <b>Frequency</b><br>6 GHz<br>26 GHz<br>80 GHz  |  |
| <b>Beam angle</b><br>≥ 3°  |  |
| <b>Materials, wetted parts</b><br>PTFE<br>PVDF<br>316L<br>PP<br>PEEK   |  |
| <b>Threaded connection</b><br>≥ G¾, ≥ ¾ NPT  |  |
| <b>Flange connection</b><br>≥ DN20, ≥ ¾"   |  |
| <b>Hygienic fittings</b><br>Clamp ≥ 1½" - DIN32676, ISO2852<br>Slotted nut ≥ 2", DN50 - DIN 11851<br>Varivent ≥ DN25<br>hygienic fitting with tension flange DN32<br>hygienic fitting F40 with compression nut<br>Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A<br>Hygienic flange connection ≥ DN50 DIN11864-2<br>Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-3-A<br>DRD connection ø 65 mm<br>SMS 1145 DN51 |  |

| PRO  |  |
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| <b>VEGAVIB 63</b><br><a href="#">Show Product</a>  |  |
|   |  |
| <b>Process temperature</b><br>-50 ... 250 °C   |  |
| <b>Process pressure</b><br>-1 ... 16 bar   |  |
| <b>Version</b><br>Detection of solids in water<br>with tube extension  |  |
| <b>Materials, wetted parts</b><br>316L   |  |
| <b>Threaded connection</b><br>≥ G1, ≥ 1 NPT  |  |
| <b>Flange connection</b><br>≥ DN 32, ≥ 1½"   |  |
| <b>Hygienic fittings</b><br>Slotted nut ≥ 1½", ≥ DN40 - DIN 11851<br>Slotted nut ≥ 2", DN50 - DIN 11851<br>Varivent ≥ DN32<br>hygienic fitting with tension flange DN32<br>hygienic fitting F40 with compression nut<br>Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A<br>Clamp ≥ 3½" , DN80 - DIN32676, ISO2852<br>Slotted nut ≥ 3", DN65 - DIN 11851<br>Hyg. collar clamp adapter DN40PN40 DIN11864-3-A |  |
| <b>Seal material</b><br>no media contact   |  |
| <b>Housing material</b><br>Plastic<br>Aluminium<br>Stainless steel (precision casting)<br>Stainless steel (electropolished)  |  |
| <b>Protection rating</b><br>IP66/IP68 (0,2 bar)<br>IP66/IP67<br>IP66/IP68 (1 bar)  |  |

| PRO   |  |
|---|--|
| <b>VEGAVIB 61</b><br><a href="#">Show Product</a>   |  |
|    |  |
| <b>Measuring range - Distance</b><br>-  |  |
| <b>Process temperature</b><br>-50 ... 250 °C  |  |
| <b>Process pressure</b><br>-1 ... 16 bar  |  |
| <b>Version</b><br>Standard<br>Detection of solids in water  |  |
| <b>Materials, wetted parts</b><br>316L  |  |
| <b>Threaded connection</b><br>≥ G1, ≥ 1 NPT   |  |
| <b>Flange connection</b><br>≥ DN 32, ≥ 1½"  |  |
| <b>Hygienic fittings</b><br>Clamp ≥ 1½" - DIN32676, ISO2852<br>Slotted nut ≥ 2", DN50 - DIN 11851<br>hygienic fitting F40 with compression nut<br>Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A<br>Hygienic fittings ≥ DN25 - DIN11864-1-A<br>Hyg. clamp connection DIN11864-3-A; DN50 Rohr ø53<br>Hygienic fittings ≥ DN50 pipe ø70 - DIN11864-1-A |  |
| <b>Seal material</b><br>no media contact  |  |
| <b>Housing material</b><br>Plastic<br>Aluminium<br>Stainless steel (precision casting)<br>Stainless steel (electropolished)   |  |