



#### Reliable

Reliable protection against overfilling

#### Cost effective

Independent of product and process characteristics

#### User friendly

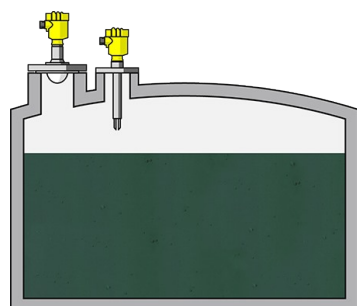
Simple setup and commissioning, maintenance-free

## Bulk storage tanks

### Level measurement and point level detection in bulk storage tanks

Dependable storage is not only the basis for reliable production and supply, it also protects against raw material shortages and price volatility. In addition to regulations on the use of overfill protection or safety instrumented systems, large storage tanks are also often subject to hazardous area codes of practice in conjunction with level measurement.

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#### VEGAPULS 6X

Continuous level measurement with radar in bulk storage tanks

- Reliable measurement, independent of density and temperature changes
- Excellent signal focusing ensures high accuracy
- Long service life thanks to maintenance-free operation

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#### VEGASWING 63

Point level detection with vibrating level switch for overfill protection in bulk storage tanks

- Universally applicable as overfill and dry run protection system for virtually all liquid applications
- Accurate level detection thanks to adjustment-free, media-independent switching point
- Highly resistant materials and coatings for long operational life
- Test button for easy testing of instrument functionality during operation

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| PRO                                                                                                                                                                                                                                                                                                                                                                                                                                   | PRO                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>VEGAPULS 6X</b><br><a href="#">Show Product</a>                                                                                                                                                                                                                                                                                                                                                                                    | <b>VEGASWING 63</b><br><a href="#">Show Product</a>                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                       |
| <b>Measuring range - Distance</b><br>120 m                                                                                                                                                                                                                                                                                                                                                                                            | <b>Process temperature</b><br>-50 ... 250 °C                                                                                                                                                                                                                                                                                           |
| <b>Process temperature</b><br>-196 ... 450 °C                                                                                                                                                                                                                                                                                                                                                                                         | <b>Process pressure</b><br>-1 ... 64 bar                                                                                                                                                                                                                                                                                               |
| <b>Process pressure</b><br>-1 ... 160 bar                                                                                                                                                                                                                                                                                                                                                                                             | <b>Version</b><br>Standard<br>Hygienic applications<br>with gas-tight leadthrough<br>with tube extension<br>with temperature adapter                                                                                                                                                                                                   |
| <b>Accuracy</b><br>± 1 mm                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Materials, wetted parts</b><br>PFA<br>316L<br>Alloy C22 (2.4602)<br>Alloy 400 (2.4360)<br>ECTFE<br>Enamel                                                                                                                                                                                                                           |
| <b>Frequency</b><br>6 GHz<br>26 GHz<br>80 GHz                                                                                                                                                                                                                                                                                                                                                                                         | <b>Threaded connection</b><br>≥ G¾, ≥ ¾ NPT                                                                                                                                                                                                                                                                                            |
| <b>Beam angle</b><br>≥ 3°                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Flange connection</b><br>≥ DN25, ≥ 1"                                                                                                                                                                                                                                                                                               |
| <b>Materials, wetted parts</b><br>PTFE<br>PVDF<br>316L<br>PP<br>PEEK                                                                                                                                                                                                                                                                                                                                                                  | <b>Hygienic fittings</b><br>Clamp ≥ 1" - DIN32676, ISO2852<br>Slotted nut ≥ 1½", ≥ DN40 - DIN 11851<br>Varivent ≥ DN25<br>hygienic fitting F40 with compression nut<br>SMS 1145 DN51<br>SMS DN38<br>Hygienic fittings ≥ DN25 - DIN11864-1-A<br>Hygienic flange connection DIN11864-2-A;<br>DN60(ISO)ø60,3<br>SMS socket piece DN38 PN6 |
| <b>Threaded connection</b><br>≥ G¾, ≥ ¾ NPT                                                                                                                                                                                                                                                                                                                                                                                           | <b>Seal material</b><br>no media contact                                                                                                                                                                                                                                                                                               |
| <b>Flange connection</b><br>≥ DN20, ≥ ¾"                                                                                                                                                                                                                                                                                                                                                                                              | <b>Housing material</b><br>Plastic<br>Aluminium<br>Stainless steel (precision casting)<br>Stainless steel (electropolished)                                                                                                                                                                                                            |
| <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 -<br>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 | <b>Protection rating</b><br>IP66/IP67<br>IP66/IP68 (1 bar)<br>IP65                                                                                                                                                                                                                                                                     |