



Reliable

Dependable protection against overflowing

Cost effective

Optimal utilization of the container volume

User friendly

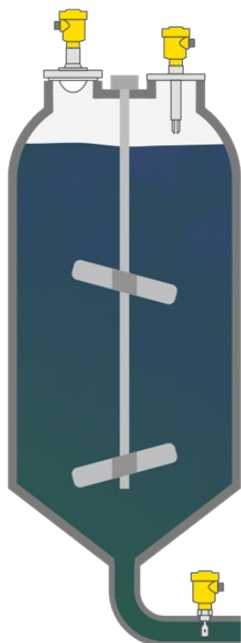
Simple setup and commissioning

Liquid waste buffer tank

Level measurement and point level detection in buffer tanks for liquid waste

In preparation for proper disposal, liquid wastes that arise in the production of pharmaceuticals are temporarily stored in buffer tanks. These potentially hazardous mixtures consist of diverse media with very different properties including dielectric conductivity (dielectric constant) and density. For optimal storage, reliable and accurate level measurement is required. Point level detection ensures overflow and dry run protection.

[More details](#)



VEGAPULS 6X

Level measurement with radar in liquid waste buffer tanks

- Measurement down to the tank bottom, even in media with low dielectric constant
- Long service life thanks to highly resistant materials
- Due to false signal suppression, measuring result is not affected by agitators

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VEGASWING 61

Vibrating level switch for dry run protection in a buffer tank for liquid waste

- Reliable detection of dry run ensures continuous process
- Dependable function through media-independent switching point
- Simple setup without adjustment

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VEGASWING 63


Vibrating level switch for point level detection in liquid waste buffer tanks

- Reliable product-independent switch point
- Simple setup without adjustment
- Test key on the barrier device allows simple function check

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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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Measuring range - Distance -
Process temperature -50 ... 250 °C
Process pressure -1 ... 64 bar
Version Standard Hygienic applications with gas-tight leadthrough with temperature adapter
Materials, wetted parts PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) ECTFE Enamel
Threaded connection ≥ G¾, ≥ ¾ NPT
Flange connection ≥ DN25, ≥ 1"
Hygienic fittings Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851 Varivent ≥ DN25 hygienic fitting F40 with compression nut SMS 1145 DN51 SMS DN38 Hygienic fittings ≥ DN25 - DIN11864-1-A Hygienic flange connection DIN11864-2-A; DN60(ISO)ø60,3 SMS socket piece DN38 PN6
Seal material no media contact
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)

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Process temperature -50 ... 250 °C
Process pressure -1 ... 64 bar
Version Standard Hygienic applications with gas-tight leadthrough with tube extension with temperature adapter
Materials, wetted parts PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) ECTFE Enamel
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Seal material no media contact
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
Protection rating IP66/IP67 IP66/IP68 (1 bar) IP65