



## LPG and LNG spherical tank

### Reliable

High measuring accuracy despite low dielectric constants

### Cost effective

Maintenance-free operation

### User friendly

Sensor replacement even during operation thanks to cut-off valve

### Level and pressure monitoring in liquid gas tanks

LPG tanks are usually only accessible for service and maintenance work every few years during shut-down periods. In addition, the containers are mostly installed underground or covered with earth. The solution is a process independent measuring system that delivers safe and reliable readings despite low dielectric constants and low temperatures.



#### VEGAPULS 64

Level measurement with radar in spherical tanks

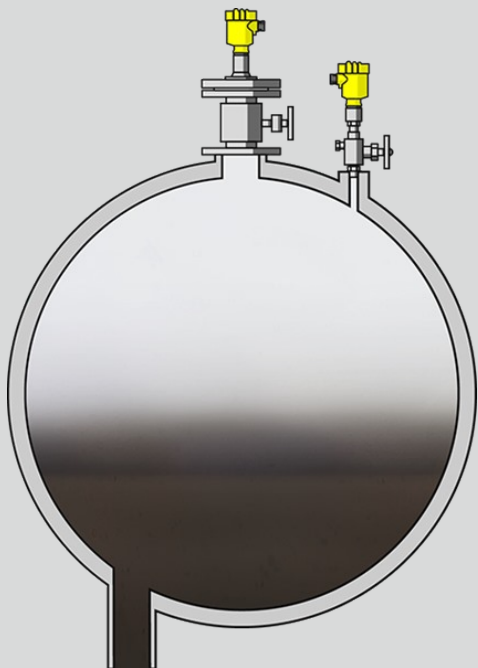
- Maintenance-free operation thanks to non-contact measuring principle
- High measuring accuracy even with low dielectric constants
- Very narrow signal focusing even in large measuring ranges
- The sensor is simple and easy to replace thanks to cut-off valve and isolation from process



#### VEGABAR 83

Pressure transmitter for pressure monitoring in spherical tanks

- Universally applicable, fully welded measuring cells for direct connection to process
- A variety of process fittings always enables an appropriate adaptation to the container
- SIL conformity in accordance with IEC 61508, in a single-channel architecture up to SIL2 and in a multi-channel architecture up to SIL3
- Extremely robust measuring cells of Alloy, for higher safety during operation





VEGAPULS 64	VEGABAR 83
Measuring range - Distance 30 m	Measuring range - Distance -
Process temperature -196 ... 200 °C	Measuring range - Pressure -1 ... 1000 bar
Process pressure -1 ... 25 bar	Process temperature -40 ... 200 °C
Accuracy ± 1 mm	Process pressure -1 ... 1000 bar
Version with plastic horn antenna ø 80 mm Thread with integrated horn antenna Flange with encapsulated antenna system Hygienic fitting with encapsulated antenna system	Accuracy 0.075 %
Materials, wetted parts PFA PTFE 316L Alloy C22 (2.4602) PEEK	Materials, wetted parts 316L Alloy C22 (2.4602) 316Ti (1.4571) Alloy C4 (2.4610)
Threaded connection ≥ G¾, ≥ ¾ NPT	Threaded connection ≥ G½, ≥ ½ NPT
Flange connection ≥ DN50, ≥ 2"	Flange connection ≥ DN25, ≥ 1"
Hygienic fittings Clamp ≥ 2", DN50 - DIN32676, ISO2852 Slotted nut ≥ 2", DN50 - DIN 11851 DRD connection ø 65 mm for NEUMO BioControl D50 PN16 / 316L	Hygienic fittings Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ DN25 - DIN 11851 Varivent ≥ DN25 hygienic fitting with tension flange DN32 Hygienic flange connection ≥ DN50 DIN11864-2 SMS 1145 DN51 SMS DN38 Hygienic fittings ≥ DN33 - DIN11864-1-A Hyg. collar clamp adapter DN40PN40 DIN11864-3-A Hyg. clamp connection DIN11864-3-A; DN50 Rohr ø53 Swagelok VCR screwing Varivent G125
Seal material EPDM FKM FFKM	Seal material EPDM FKM FFKM FEPM