



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

LPG spherical tank

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.

[More details](#)



VEGAPULS 6X

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

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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

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PRO

VEGAPULS 6X
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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

PRO

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Measuring range - Distance
 -

Measuring range - Pressure
 -1 ... 1000 bar

Process temperature
 -40 ... 200 °C

Process pressure
 -1 ... 1000 bar

Accuracy
 0.075 %

Materials, wetted parts
 316L
 Alloy C22 (2.4602)
 316Ti (1.4571)
 Alloy C4 (2.4610)

Threaded connection
 ≥ G½, ≥ ½ NPT

Flange connection
 ≥ DN25, ≥ 1"

Hygienic fittings
 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
 no media contact