



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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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

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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