



#### Reliable

High measuring accuracy despite low dielectric constants

#### Cost effective

Maintenance-free operation

#### User friendly

Easy installation and setup

## Propane storage in bullets and spheres

### Level measurement and pressure monitoring of liquefied gases in storage

Propane, a flammable, colourless and odourless gas, is one of the many types of liquefied petroleum gases (LPG) that exist. It is produced from natural gas via a special refining process. Propane is compressed, liquefied and stored in pressure vessels so that it does not return to a gaseous state. To ensure optimal storage, reliable level measurement is required.

[More details](#)



#### 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

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

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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  
Hygienice 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

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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  
Hygienice flange connection ≥ DN50 DIN11864-2  
Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-  
3-A  
DRD connection ø 65 mm  
SMS 1145 DN51