

Reliable

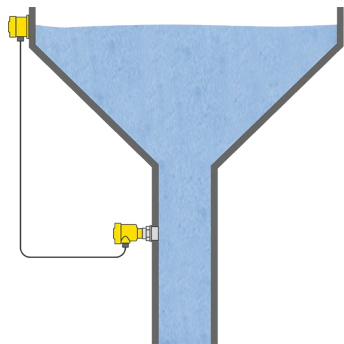
Approved materials according to FDA and EC 1935/2004, as well as local certification

Cost effective

Maintenance-free operation thanks to dry measuring cell

User friendly

Wireless parameterization via Bluetooth communication



Water tower

Pressure measurement in a water tower

Water towers are used as storage facilities for drinking water and as pressure balancing tanks in the network of water supply pipelines. In order to keep the water level and thus the network pressure constant, the level in the water tower needs to be constantly maintained. The level of water is monitored by a pressure transmitter.

[More details](#)



VEGABAR 82

Pressure transmitter for pressure monitoring in a water tower

- Front-flush diaphragm protects against contamination from microbes
- High long-term stability with ceramic CERTEC® measuring cell
- Robust instrumentation withstands even intensive cleaning

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VEGADIS 81

External display and adjustment unit for plics® sensors

- User friendly display which can be used in accessible places
- Simple operation, graphically supported with clearly structured operating menu
- Easy connection directly to sensor without additional measures

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Measuring range - Distance

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Measuring range - Pressure

-1 ... 100 bar

Process temperature

-40 ... 150 °C

Process pressure

-1 ... 100 bar

Accuracy

0.05 %

Materials, wetted parts

PVDF
 316L
 Alloy C22 (2.4602)
 PP
 1.4057
 1.4410
 Alloy C276 (2.4819)
 Duplex (1.4462)
 Titanium Grade 2 (3.7035)

Threaded connection

≥ G½, ≥ ½ NPT

Flange connection

≥ DN15, ≥ ½"

Hygienic fittings

Clamp ≥ 1" - DIN32676, ISO2852
 Slotted nut ≥ DN25 - DIN 11851
 hygienic fitting with tension flange DN32
 hygienic fitting F40 with compression nut
 DRD connection ø 65 mm
 SMS 1145 DN51
 SMS DN38
 Swagelok VCR screwing
 Varivent G125
 Varivent N50-40
 for NEUMO BioControl D50 PN16 / 316L

Seal material

EPDM
 FKM
 FFKM

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Housing material

Plastic
 Aluminium
 Stainless steel (precision casting)

Protection rating

IP66/IP67

Ambient temperature

-20 ... 70 °C

Signal input (specify)

pIcs sensor (serial)

Signal output (specify)

Display