



Reliable

Reliable monitoring of tank pressure

Cost effective

Long service life through maintenance-free operation

User friendly

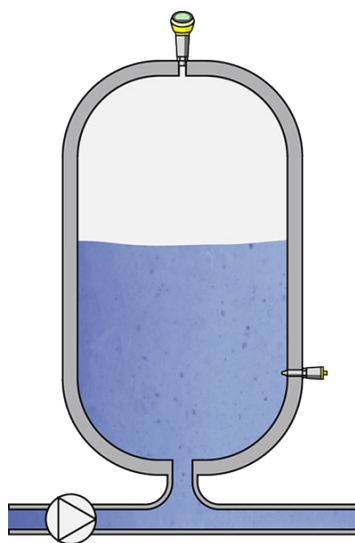
Simple operation and adjustment

Surge tank

Pressure monitoring and point level detection in the surge tank

In the central drinking water supply system, air-bladder chambers are used to compensate for pressure fluctuations in the supply line. They are used primarily to stabilize smaller water networks, where, for economic reasons, a water tower is not an option. A pressure transmitter is deployed to monitor the tank and control the pumps. A low level switch detects the minimum water level in the tank and thus prevents air from entering the water supply network.

[More details](#)



VEGABAR 38

Pressure transmitter and pressure switch for monitoring the pressure in the surge tank

- Integrated pressure switch ensures optimal pump control
- High long-term stability thanks to robust ceramic CERTEC® measuring cell
- Non-sensitive to pressure shocks

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VEGAPOINT 21

Capacitive level switch as dry run protection for the surge tank

- Reliable function, regardless of process conditions
- Small installation dimensions for tight spaces
- Adjustment-free setup

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**Measuring range - Pressure**

-1 ... 60 bar

Process temperature

-40 ... 130 °C

Accuracy

0.3 %

Materials, wetted parts

PVDF
 316L
 Duplex (1.4462)
 Ceramic

Threaded connection

≥ G½, ≥ ½ NPT

Hygienic fittings

Clamp ≥ 2", DN50 - DIN32676, ISO2852
 Clamp ≥ 1" - DIN32676, ISO2852
 Clamp ≥ ½" - DIN32676, ISO2852
 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851
 Slotted nut ≥ DN25 - DIN 11851
 SMS DN38
 Hygienic fittings ≥ DN25 - DIN11864-1-A
 Hygienic fittings ≥ DN40 - DIN11864-1-A
 Varivent N50-40
 SMS DN25
 Ingold connection PN10
 Varivent F25

Seal material

EPDM
 FKM
 FFKM

Housing material

Plastic

Protection rating

IP66/IP67
 IP65

Output

4 ... 20 mA
 Three-wire (PNP/NPN, 4 ... 20 mA)
 IO-Link

BASIC

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**Measuring range - Distance**

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Process temperature

-40 ... 115 °C

Process pressure

-1 ... 25 bar

Materials, wetted parts

316L
 PEEK

Threaded connection

≥ G½, ≥ ½ NPT

Hygienic fittings

Clamp ≥ 2", DN50 - DIN32676, ISO2852
 Clamp ≥ 1" - DIN32676, ISO2852
 Clamp ≥ ½" - DIN32676, ISO2852
 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851
 Slotted nut ≥ DN25 - DIN 11851
 Slotted nut ≥ DN32 - DIN 11851

Seal material

EPDM
 FKM

Protection rating

IP66/IP67
 IP69

Output

Transistor (NPN/PNP)
 IO-Link

Ambient temperature

-40 ... 70 °C