



#### 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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## BASIC

**VEGABAR 38**  
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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**≥ G $\frac{3}{4}$ , ≥  $\frac{1}{4}$  NPT**Hygienic fittings**

Clamp ≥ 2", DN50 - DIN32676, ISO2852  
 Clamp ≥ 1" - DIN32676, ISO2852  
 Clamp ≥ 1½" - 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

**VEGAPOINT 21**  
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**Measuring range - Distance**

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**Process temperature**

-40 ... 115 °C

**Process pressure**

-1 ... 64 bar

**Materials, wetted parts**

316L  
 PEEK

**Threaded connection**≥ G $\frac{3}{4}$ , ≥  $\frac{1}{2}$  NPT**Hygienic fittings**

Clamp ≥ 2", DN50 - DIN32676, ISO2852  
 Clamp ≥ 1" - DIN32676, ISO2852  
 Clamp ≥ 1½" - 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