



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	BASIC
VEGABAR 38 Show Product	VEGAPOINT 21 Show Product
	
Measuring range - Pressure -1 ... 60 bar	Measuring range - Distance -
Process temperature -40 ... 130 °C	Process temperature -40 ... 115 °C
Accuracy 0.3 %	Process pressure -1 ... 64 bar
Materials, wetted parts PVDF 316L Duplex (1.4462) Ceramic	Materials, wetted parts 316L PEEK
Threaded connection ≥ G½, ≥ ½ NPT	Threaded connection ≥ G½, ≥ ½ 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	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 FFKM	Seal material EPDM FKM
Housing material Plastic	Protection rating IP66/IP67 IP69
Protection rating IP66/IP67 IP65	Output Transistor (NPN/PNP) IO-Link
Output 4 ... 20 mA Three-wire (PNP/NPN, 4 ... 20 mA) IO-Link	Ambient temperature -40 ... 70 °C