



#### Reliable

Certified materials according to FDA and EC 1935/2004 regulations

#### Cost effective

Accurate monitoring optimizes the brewing process

#### User friendly

One measuring instrument, three measured values: Level, overpressure, temperature

## Fermentation tank

### Level, pressure and point level measurement in the fermentation tank

After the wort has been cooled down to the appropriate temperature in the wort cooler, it is pumped into the fermentation tanks. The fermentation process is then started by adding in yeast. The yeast converts the malt sugar dissolved in the wort into carbonic acid and alcohol. To ensure optimal fermentation in the tank, the following key parameters are measured: hydrostatic pressure for determining the level, overpressure for CO<sub>2</sub> content monitoring and limit level for overflow or dry run protection.

#### More details



#### VEGABAR 82

Level measurement via electronic differential pressure measurement in the fermentation tank

- Reliable measurement unaffected by condensation thanks to encapsulated measuring cell
- Good cleanability thanks to hygienic design and flush mounting
- Additional temperature measurement by temperature sensor located very close to the process

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#### VEGABAR 38

Pressure sensor for pressure monitoring in the yeast supply line and in the CO<sub>2</sub> discharge line

- Ceramic CERTEC® measuring cell is resistant to CIP cleaning
- Good cleanability thanks to hygienic design
- Bluetooth communication for easy operation

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#### VEGAPOINT 21

Capacitive level switch as overflow and dry run protection in the fermentation tank

- 360° status display for quick and easy recognition of switching status
- Compact design facilitates cleaning
- Reliable measurement independent of condensation and foam

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PRO	BASIC	BASIC
<b>VEGABAR 82</b> <a href="#">Show Product</a>	<b>VEGABAR 38</b> <a href="#">Show Product</a>	<b>VEGAPOINT 21</b> <a href="#">Show Product</a>
		
<b>Measuring range - Distance</b> -	<b>Measuring range - Pressure</b> -1 ... 60 bar	<b>Measuring range - Distance</b> -
<b>Measuring range - Pressure</b> -1 ... 100 bar	<b>Process temperature</b> -40 ... 130 °C	<b>Process temperature</b> -40 ... 115 °C
<b>Process temperature</b> -40 ... 150 °C	<b>Accuracy</b> 0.3 %	<b>Process pressure</b> -1 ... 64 bar
<b>Process pressure</b> -1 ... 100 bar	<b>Materials, wetted parts</b> PVDF 316L Duplex (1.4462) Ceramic	<b>Materials, wetted parts</b> 316L PEEK
<b>Accuracy</b> 0.05 %	<b>Threaded connection</b> ≥ G½, ≥ ½ NPT	<b>Threaded connection</b> ≥ G½, ≥ ½ NPT
<b>Materials, wetted parts</b> PVDF 316L Alloy C22 (2.4602) PP 1.4057 1.4410 Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035)	<b>Hygienic fittings</b> 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	<b>Hygienic fittings</b> 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
<b>Threaded connection</b> ≥ G½, ≥ ½ NPT	<b>Seal material</b> EPDM FKM FFKM	<b>Seal material</b> EPDM FKM
<b>Flange connection</b> ≥ DN15, ≥ ½"	<b>Housing material</b> Plastic	<b>Protection rating</b> IP66/IP67 IP69
<b>Hygienic fittings</b> 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	<b>Protection rating</b> IP66/IP67 IP65	<b>Output</b> Transistor (NPN/PNP) IO-Link
<b>Seal material</b> EPDM FKM FFKM	<b>Output</b> 4 ... 20 mA Three-wire (PNP/NPN, 4 ... 20 mA) IO-Link	<b>Ambient temperature</b> -40 ... 70 °C