



### 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

**VEGABAR 82**  
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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**

≥ G $\frac{1}{4}$ , ≥  $\frac{1}{4}$  NPT

**Flange connection**

≥ DN15, ≥  $\frac{1}{2}$ "

**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

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 $\frac{1}{4}$ , ≥  $\frac{1}{4}$  NPT

**Hygienic fittings**

Clamp ≥ 2", DN50 - DIN32676, ISO2852  
Clamp ≥ 1" - DIN32676, ISO2852  
Clamp ≥  $\frac{1}{2}$ " - DIN32676, ISO2852  
Slotted nut ≥  $\frac{1}{2}$ ", ≥ 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**

-

**Process temperature**

-40 ... 115 °C

**Process pressure**

-1 ... 64 bar

**Materials, wetted parts**

316L  
PEEK

**Threaded connection**

≥ G $\frac{1}{2}$ , ≥  $\frac{1}{2}$  NPT

**Hygienic fittings**

Clamp ≥ 2", DN50 - DIN32676, ISO2852  
Clamp ≥ 1" - DIN32676, ISO2852  
Clamp ≥  $\frac{1}{2}$ " - DIN32676, ISO2852  
Slotted nut ≥  $\frac{1}{2}$ ", ≥ 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