



### Reliable

Approved materials in compliance with FDA and EC 1935/2004

### Cost effective

Monitoring of the diatomaceous earth filter ensures continuous operation

### User friendly

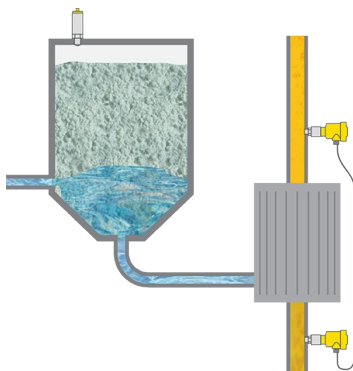
Easy diagnosis thanks to Bluetooth communication

## Diatomaceous earth filter

### Differential pressure and limit level measurement in the diatomaceous earth filter

After a large part of the yeast has already been filtered out in the separator, the brew leaves the green beer storage tank and is pumped into the diatomaceous earth filter for filtration. Here, the remaining yeast cells and other substances causing turbidity are removed with the help of diatomaceous earth, which clarifies the beer. The limit level is detected in the diatomaceous earth storage tank. If necessary, diatomaceous earth is added to the diatomaceous earth filter via water inflow. The degree of contamination of the diatomaceous earth filter is monitored by an electronic differential pressure measuring system.

[More details](#)



### VEGABAR 82

Electronic differential pressure measurement for filter monitoring

- High resistance to abrasive diatomaceous earth thanks to ceramic CERTEC® measuring cell
- Long-term stable and reliable thanks to moisture-proof measuring cell
- Simple installation, since differential pressure lines are unnecessary

[Show Product](#)



### VEGAPULS 42

Compact radar sensor for non-contact level measurement in the diatomaceous earth storage tank

- Maintenance-free operation thanks to non-contact measuring principle
- Simple automation and integration options thanks to IO-Link
- Compact design allows installation even in very small vessels

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## PRO

**VEGABAR 82**  
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**Measuring range - Distance**

-

**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

**VEGAPULS 42**  
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**Measuring range - Distance**

15 m

**Process temperature**

-40 ... 130 °C

**Process pressure**

-1 ... 16 bar

**Accuracy**

± 2 mm

**Frequency**

80 GHz

**Beam angle**

≥ 12°

**Materials, wetted parts**

PTFE  
 316L  
 PEEK

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

Universal connection G1" for hygiene adapter

**Seal material**

EPDM  
 FKM