



Reliable

Approved materials in compliance with FDA and EC 1935/2004

Cost effective

Monitoring of the diatomaceous earth filter ensures continuous operation

User friendly

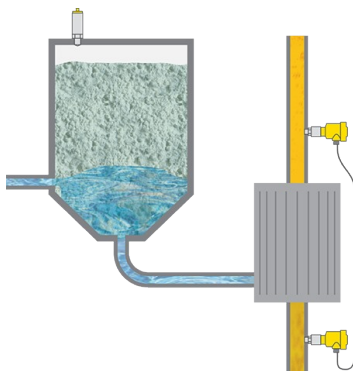
Easy diagnosis thanks to Bluetooth communication

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

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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

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

Flange connection
 $\geq DN15$, $\geq \frac{1}{2}$ "

Hygienic fittings
 Clamp $\geq 1"$ - DIN32676, ISO2852
 Slotted nut $\geq DN25$ - DIN 11851
 hygienic fitting with tension flange DN32
 hygienic fitting F40 with compression nut
 DRD connection \varnothing 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

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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
 $\geq 12^\circ$

Materials, wetted parts
 PTFE
 316L
 PEEK

Threaded connection
 $\geq G\frac{3}{4}$, $\geq \frac{3}{4}$ NPT

Hygienic fittings
 Universal connection G1" for hygiene adapter

Seal material
 EPDM
 FKM