Reliable

Approved materials in compliance with FDA and EC 1935/2004

Cost effective

Monitoring of the diatomaceous earth filter ensures continuous operation

User friendly

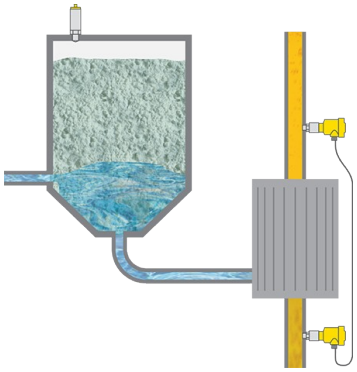
Easy diagnosis thanks to Bluetooth communication

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

VEGABAR 82

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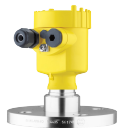

Measuring range - Distance
-

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
≥ G½, ≥ ½ NPT

Flange connection
≥ DN15, ≥ ½"

Hygenic 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
≥ G¾, ≥ ¾ NPT

Hygenic fittings
Universal connection G1" for hygiene adapter

Seal material
EPDM
FKM