



Reliable

Approved materials in compliance with FDA and EC 1935/2004

Cost effective

Monitoring of the diatomaceous earth filter ensures continuous operation

User friendly

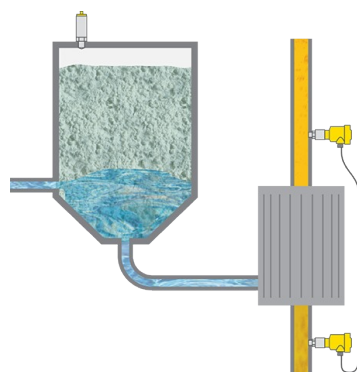
Easy diagnosis thanks to Bluetooth communication

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 | BASIC |
|--|---|
| VEGABAR 82 Show Product | VEGAPULS 42 Show Product |
|  |  |
| Measuring range - Distance - | Measuring range - Distance 15 m |
| Measuring range - Pressure -1 ... 100 bar | Process temperature -40 ... 130 °C |
| Process temperature -40 ... 150 °C | Process pressure -1 ... 16 bar |
| Process pressure -1 ... 100 bar | Accuracy ± 2 mm |
| Accuracy 0.05 % | Frequency 80 GHz |
| 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) | Beam angle ≥ 12° |
| Threaded connection ≥ G½, ≥ ½ NPT | Materials, wetted parts PTFE 316L PEEK |
| Flange connection ≥ DN15, ≥ ½" | Threaded connection ≥ G¾, ≥ ¾ NPT |
| 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 | Hygienic fittings Universal connection G1" for hygiene adapter |
| Seal material EPDM FKM FFKM | Seal material EPDM FKM |