



Diatomaceous earth filter

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

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.



VEGABAR 82

Electronic differential pressure measurement for filter monitoring

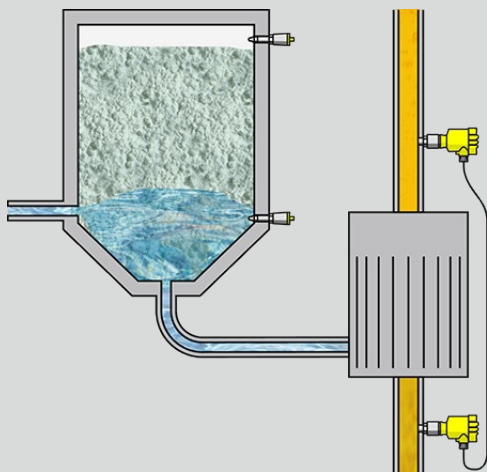
- High resistance to abrasive diatomaceous earth thanks to ceramic CERTEC® measuring cell
- Long-term stable and reliable thanks to moisture-proof measuring cell
- Simple installation, since differential pressure lines are unnecessary



VEGAPOINT 31

Capacitive point level sensor for monitoring the limit level in the diatomaceous earth supply tank

- 360° status display for simple monitoring
- Good cleanability, because sensor is only a minimal installation in the tank
- Reliable switching point, insensitive to build up





VEGABAR 82	VEGAPOINT 31
Measuring range - Distance -	Process temperature -40 ... 115 °C
Measuring range - Pressure -1 ... 100 bar	Process pressure 0 ... 25 bar
Process temperature -40 ... 150 °C	Materials, wetted parts 316L PEEK
Process pressure -1 ... 100 bar	Threaded connection ≥ G½, ≥ ½ NPT
Accuracy 0.05 %	Hygienic fittings Clamp ≥ 2", DN50 - DIN32676, ISO2852 Clamp ≥ 1" - DIN32676, ISO2852 Clamp ≥ 1½" - DIN32676, ISO2852 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851 Slotted nut ≥ DN25 - DIN 11851 Slotted nut ≥ DN32 - DIN 11851
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)	Seal material EPDM FKM
Threaded connection ≥ G½, ≥ ½ NPT	Protection rating IP66/IP67 IP69
Flange connection ≥ DN15, ≥ ½"	Output Transistor (NPN/PNP) IO-Link
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	Ambient temperature -40 ... 70 °C
Seal material EPDM FKM FFKM	