



Reliable

Approved materials according to FDA and EC 1935/2004, as well as local certification

Cost effective

Optimal flow

User friendly

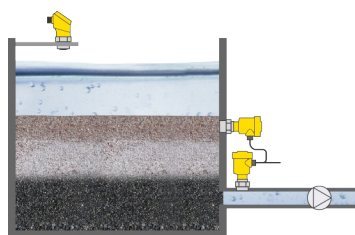
Function check is possible during operation

Gravel bed filter

Differential pressure and level measurement in a gravel filter

The suspended matter is filtered out of the water via the sand and gravel filled filter tank. Pressure is applied to pump water through the filter bed. Dirt particles are retained in the filter material. The electronic differential pressure measurement monitors the level of contamination in the filter. As soon as the threshold contamination is exceeded, an automatic cleaning cycle of the filter is triggered.

[More details](#)



VEGABAR 82

Electronic differential pressure measurement for filter monitoring

- Highly abrasion resistant ceramic CERTEC® measuring cell
- Moisture proof measuring cell for long-term stability and reliability
- Simpler installation, direct mounting means impulse lines are not required

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VEGAPULS 11

Non-contact level measurement with radar in the gravel filter

- High measuring accuracy independent of ambient conditions
- Reliable measurement ensures continuous water supply
- Maintenance-free operation due to non-contact measurement

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PRO

BASIC

VEGABAR 82
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VEGAPULS 11
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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, ≥ $\frac{1}{2}$ "

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

Measuring range - Distance

10 m

Process temperature

-40 ... 60 °C

Process pressure

-1 ... 3 bar

Accuracy

± 5 mm / ± 0.2"

Frequency

80 GHz

Beam angle

8°

Materials, wetted parts

PVDF

Threaded connection

G1 $\frac{1}{2}$, 1 $\frac{1}{2}$ NPT, R1 $\frac{1}{2}$

Seal material

FKM

Housing material

Plastic