



Reliable

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

Cost effective

Simple installation, with two sensors interconnected via a single cable

User friendly

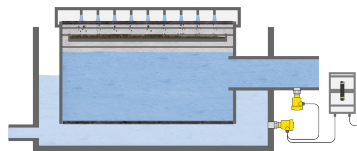
Multivariable sensor: differential pressure, static pressure and temperature

Filter monitoring

Monitoring of filters in drinking water supplies

The raw water is pumped from the lake into a tank. It is then filtered via a drum filter. In this process the water is separated and purified from any suspended matter and coarse impurities. An electronic differential pressure measuring instrument monitors the level of contamination of the filter. Cleaning of the filter is automatically triggered as soon as the threshold contamination is exceeded.

[More details](#)



VEGABAR 82

Filter monitoring via electronic differential pressure measurement

- Long-term stability and reliability thanks to the use of moisture-proof measuring cell
- Integrated temperature sensor saves purchase of additional temperature measuring instruments
- Highly resistant to abrasive particles thanks to the ceramic CERTEC® measuring cell

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VEGATRENN 141

Separator for the optimum supply of power to the connected sensors

- On-site diagnostics for direct display of status via LEDs
- Simple parametrization interface using the HART sockets for user-friendly operation
- Galvanic separation of sensors and PLC is secured

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Measuring range - Distance

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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, ≥ $\frac{1}{2}$ "
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

Seal material

EPDM
 FKM
 FFKM

Protection rating

IP20

Input

1 x 4 ... 20 mA/HART sensor input

Output

1 x 4 ... 20 mA

Ambient temperature

-20 ... 60 °C