

Reliable

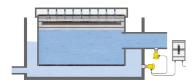
Approved materials according to FDA and EC 1935/2004, as well as local certification

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



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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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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

≥ G½, ≥ ½ NPT

Flange connection

≥ DN15, ≥ ½"

Hygenic fittings

Clamp ≥ 1" - DIN32676, ISO2852

Slotted nut ≥ DN25 - DIN 11851

hygienic fitting with tension flange $\ensuremath{\mathsf{DN32}}$

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

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Protection rating

IP20

Input

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

Output

1 x 4 ... 20 mA

Ambient temperature

-20 ... 60 °C

