



### Reliable

Reliable measurement independent of weather conditions

### Cost effective

Maintenance-free operation

### User friendly

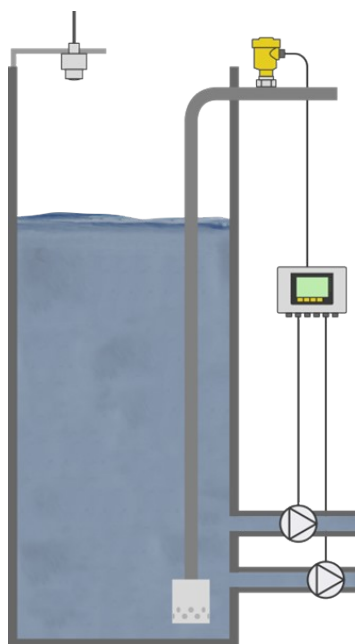
Simple installation and setup

## Bank filtration

### Level and pressure measurement of water from lake and river banks

Water obtained from wells adjacent to lakes and rivers is called bank filtration. The flowing water constantly seeps through the riverbed and mixes with the ground water. The level of water must be constantly monitored for an optimum extraction of water. The pump pressure is also monitored in the delivery line.

[More details](#)



### VEGAPULS C 21

Non-contact level measurement with radar for pump measurement

- Accurate level monitoring unaffected by internal fixtures
- Materials approved for drinking water ensure a long service life
- Reliable measurement ensures optimal water extraction

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### VEGABAR 82

Pressure transmitter for pump monitoring

- The water supply is secure thanks to reliable measurement
- Resistant to sand abrasion
- Monitoring of pump efficiency

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### VEGAMET 861

Controller and display unit for pump control

- Universal controller for simple pump control
- Fast setup and commissioning thanks to simple menu navigation and application wizards

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## BASIC

**VEGAPULS C 21**  
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**Measuring range - Distance**  
20 m

**Process temperature**  
-40 ... 80 °C

**Process pressure**  
-1 ... 3 bar

**Accuracy**  
± 2 mm

**Frequency**  
80 GHz

**Beam angle**  
8°

**Materials, wetted parts**  
PVDF

**Threaded connection**  
G1½ / G1, 1½ NPT / 1 NPT, R1½ / R1

**Seal material**  
FKM

**Protection rating**  
IP66/IP68 (3 bar), Type 6P

## PRO

**VEGABAR 82**  
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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**  
≥ G¼, ≥ ¼ NPT

**Flange connection**  
≥ DN15, ≥ ½"

**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

**VEGAMET 861**  
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**Protection rating**  
IP66/IP67, Type 4X

**Input**  
1 x 4 ... 20 mA/HART sensor input  
2x digital input

**Output**  
1 x 0/4 ... 20 mA current output  
1x failure relay (instead of operating relay)  
4x operating relay

**Ambient temperature**  
-40 ... 60 °C

**Measured value memory**  
Internally  
SD card