



Reliable

Reliable measured values guarantee optimal plant operation

Cost effective

Efficient removal of suspended solids through reliable measurement

User friendly

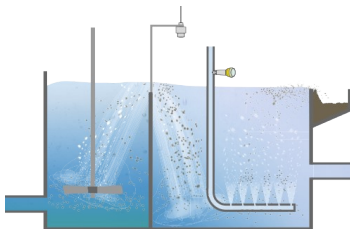
Maintenance-free operation

Flotation

Level and pressure measurement in the flotation process

To filter suspended matter out of the water, precipitants are added to the water. When small air bubbles are injected into the liquid, suspended matter is bound to the rising bubbles and drawn off at the water surface. In order to achieve the best possible bubble formation, the pressure in the air supply is regulated to stay within narrow limits. Reliable and accurate level measurement is necessary to achieve efficient removal of the suspended matter.

[More details](#)



VEGABAR 38

Pressure sensor for pressure measurement in the bubbler line

- High accuracy without long-term drift
- 360° status display for quick and easy recognition of switching status
- Simple and fast setup

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VEGAPULS C 21

Radar sensor for non-contact level measurement in flotation

- Exact measuring results unaffected by ambient conditions
- High plant availability thanks to wear and maintenance free measurement
- Reliable level measurement for precise control of the water supply

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BASIC

VEGABAR 38
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**Measuring range - Pressure**

-1 ... 60 bar

Process temperature

-40 ... 130 °C

Accuracy

0.3 %

Materials, wetted parts

PVDF
 316L
 Duplex (1.4462)
 Ceramic

Threaded connection

≥ G¾, ≥ ¼ NPT

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
 SMS DN38
 Hygienic fittings ≥ DN25 - DIN11864-1-A
 Hygienic fittings ≥ DN40 - DIN11864-1-A
 Varivent N50-40
 SMS DN25
 Ingold connection PN10
 Varivent F25

Seal material

EPDM
 FKM
 FFKM

Housing material

Plastic

Protection rating

IP66/IP67
 IP65

Output

4 ... 20 mA
 Three-wire (PNP/NPN, 4 ... 20 mA)
 IO-Link

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**Measuring range - Distance**

15 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