



Reliable

Reliable measured values guarantee optimal plant operation

Cost effective

Efficient removal of suspended solids through reliable measurement

User friendly

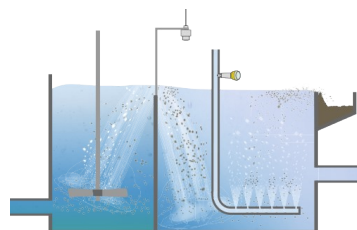
Maintenance-free operation

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	BASIC
VEGABAR 38 Show Product	VEGAPULS C 21 Show Product
	
Measuring range - Pressure -1 ... 60 bar	Measuring range - Distance 20 m
Process temperature -40 ... 130 °C	Process temperature -40 ... 80 °C
Accuracy 0.3 %	Process pressure -1 ... 3 bar
Materials, wetted parts PVDF 316L Duplex (1.4462) Ceramic	Accuracy ± 2 mm
Threaded connection ≥ G¾, ≥ ¼ NPT	Frequency 80 GHz
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	Beam angle 8°
Seal material EPDM FKM FFKM	Materials, wetted parts PVDF
Housing material Plastic	Threaded connection G1½ / G1, 1½ NPT / 1 NPT, R1½ / R1
Protection rating IP66/IP67 IP65	Seal material FKM
Output 4 ... 20 mA Three-wire (PNP/NPN, 4 ... 20 mA) IO-Link	Protection rating IP66/IP68 (3 bar), Type 6P