



### Reliable

Reliable measured values guarantee optimal plant operation

### Cost effective

Efficient removal of suspended solids through reliable measurement

### User friendly

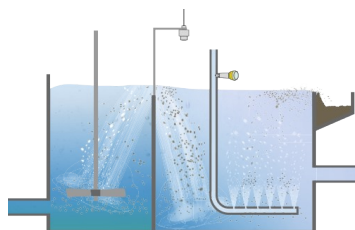
Maintenance-free operation

## 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

[Show Product](#)



### 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

[Show Product](#)

## BASIC

## VEGABAR 38

[Show Product](#)**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**

≥ G½, ≥ ½ 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

## BASIC

## VEGAPULS C 21

[Show Product](#)**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