

### 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





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

Hygenic 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  $\geq$  DN25 - DIN11864-1-A

Hygienic fittings  $\geq$  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°

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

