



Reliable

Measurement optimizes pump usage via pump control functions

Cost effective

Pump control ensures energy conservation and long pump service life

User friendly

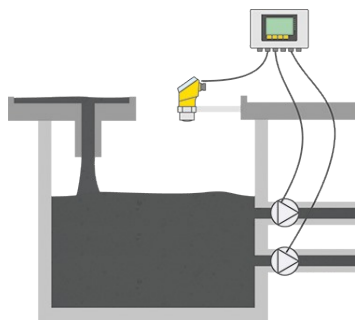
Easy setup and installation

Sumps

Sump level control

The level in the sumps around a refinery must be reliably monitored to prevent overflowing and subsequent pollution, or pump overload. Balanced pump utilization is possible thanks to a pump control rotation system integrated into the controller.

[More details](#)



VEGAPULS 21

Radar sensor for continuous level measurement in sumps

- Very good signal focusing ensures accurate measurement, even in confined spaces
- Reliable measurement, unaffected by condensation on the antenna
- Maintenance-free operation thanks to non-contact measuring principle

[Show Product](#)



VEGAMET 861

Controller for continuous lead-lag changeover control of pumps

- Integrated pump control function ensures longer pump service life
- Simple setup and installation reduces installation costs

[Show Product](#)

VEGAPULS 21[Show Product](#)**VEGAMET 861**[Show Product](#)**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, 1½ NPT, R1½

Seal material

FKM

Housing material

Plastic

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