



Reliable

Measurement optimizes pump usage via pump control functions

Cost effective

Pump control ensures energy conservation and long pump service life

User friendly

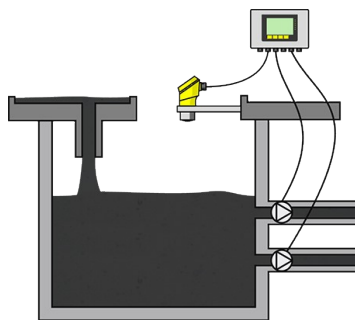
Easy setup and installation

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

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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

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VEGAPULS 21
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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, 1½ NPT, R1½

Seal material
FKM

Housing material
Plastic

VEGAMET 861
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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