



Reliable

Reliable measurement of the level

Cost effective

Pump switching ensures optimal operating times

User friendly

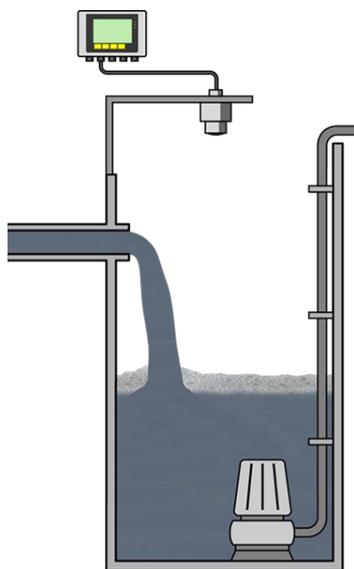
Maintenance-free, trouble-free operation

Pumping station

Level control in a pumping station

Wastewater from households and businesses, together with surface water, is carried to the wastewater treatment plant via an extensive sewer network. If the natural gradient is not steep enough, numerous pumping stations are required to create a sufficient height difference. The level measurement in the inlet shaft is used for cost-effective control of the pumps.

[More details](#)



VEGAPULS C 11

Non-contact level measurement with radar in the inlet shaft

- Exact measuring results unaffected by internal fixtures and foaming
- High plant availability thanks to wear and maintenance free measurement
- Highly corrosion resistant materials ensure a long service life
- Secure, user-friendly wireless operation via Bluetooth with smartphone, tablet or PC

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VEGAMET 841

Controller and display instrument for pump control

- Universal controller for simple pump control
- Fast setup and commissioning thanks to simple menu navigation and application wizards

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Measuring range - Distance
8 m

Process temperature
-40 ... 60 °C

Process pressure
-1 ... 3 bar

Accuracy
± 5 mm / ± 0.2"

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

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Protection rating
IP66/IP67, Type 4X

Input
1 x 4 ... 20 mA sensor input

Output
1 x 0/4 ... 20 mA current output
3 x operating relay
1x failure relay (instead of operating relay)

Ambient temperature
-40 ... 60 °C