



### Reliable

Reliable function under all operating conditions

### Cost effective

Maintenance-free operation of the system

### User friendly

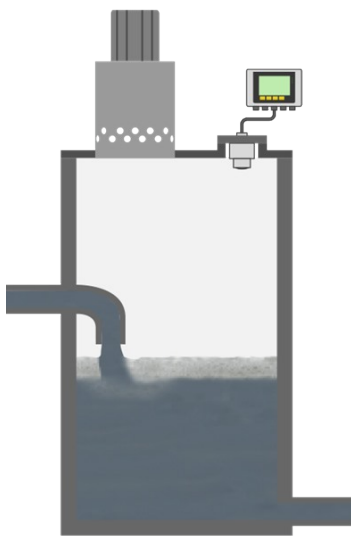
Simple installation and setup

## Vacuum sewerage system

### Level measurement in a vacuum tank

When new building zones are opened up, it is often quite expensive to build a sewerage network with the necessary downward slope. In such cases, a vacuum sewerage network offers an interesting alternative to traditional sewer systems. The wastewater is transported to the pumping station under vacuum, which allows significantly smaller pipes to be used and stretches of upward slope spanned. A central vacuum pumping unit conveys the wastewater from households via a central sewage discharge into the public sewer system. To effectively control the system the level in the vacuum tank must be continuously monitored.

#### More details



### VEGAPULS C 21

Vacuum tank level measurement using non-contact radar

- Reliable function under constantly changing pressure conditions
- Reliable level measurement even with foam and turbulent surface
- Low-cost radar sensor for simple measuring tasks

#### Show Product



### VEGAMET 841

Power supply for sensor, measurement data processing and display

- Clear, easy-to-read, user programmable display
- Robust housing designed for the harsh conditions in the field
- Universal controller for water and wastewater applications

#### Show Product

**VEGAPULS C 21**[Show Product](#)**VEGAMET 841**[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

**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