



#### Reliable

Reliable content measurement in the sludge storage tank

#### Cost effective

Non-contact measurement ensures maintenance-free operation

#### User friendly

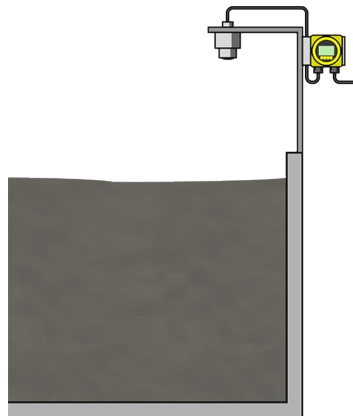
Simple installation and setup

## Sludge storage tank

### Level measurement in the sludge storage tank

The digested sewage sludge is pumped into a sludge storage tank. This tank serves as an intermediate storage facility before the sludge is fed to the centrifuge or pressed for mechanical dewatering. To ensure optimal feeding, the sludge volume is monitored by a level measuring instrument.

[More details](#)



### VEGAPULS C 21

Continuous level measurement with radar for monitoring the sludge quantity

- Maintenance-free operation through non-contact 80 GHz radar technology
- Precise measuring results independent of steam, buildup and condensate
- Highly corrosion resistant design ensures a long service life
- Secure wireless operation via Bluetooth with smartphone, tablet or PC

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### VEGADIS 82

External measured value display in field housing

- Easy-to-read display with plain text and graphics
- Robust housing designed for the harsh conditions in the field

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**VEGAPULS C 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 / G1, 1½ NPT / 1 NPT, R1½ / R1

**Seal material**  
FKM

**Protection rating**  
IP66/IP68 (3 bar), Type 6P

**VEGADIS 82**  
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**Housing material**  
Plastic  
Aluminium  
Stainless steel (precision casting)

**Protection rating**  
IP66/IP67

**Ambient temperature**  
-20 ... 70 °C

**Signal input (specify)**  
4 ... 20 mA/HART