



#### Reliable

Reliable measurement of the process water volume

#### Cost effective

Maintenance-free measurement with high accuracy

#### User friendly

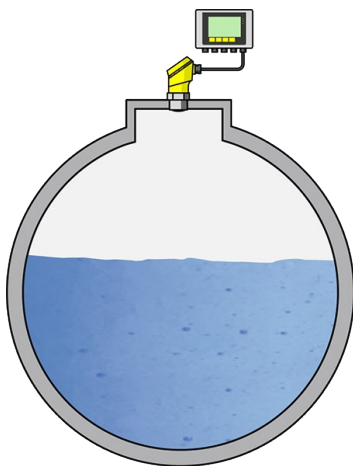
Simple installation and setup

## Process water tank

### Level measurement in the process water tank

The process water is collected in tanks or open basins. Pressure pumps deliver the water for cleaning and rinsing purposes to various locations in the wastewater treatment plant. To ensure an optimal supply of water, the level in the process water tank is measured continuously.

[More details](#)



### VEGAPULS 11

Continuous level measurement with radar in the process water tank

- Low-cost radar sensor for simple measuring tasks
- Maintenance-free operation through non-contact 80 GHz radar technology
- Secure, user-friendly wireless operation via Bluetooth with smartphone, tablet or PC

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### VEGAMET 841

Controller for powering the sensor, processing and displaying the measured values

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

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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, 1½ NPT, R1½

**Seal material**  
FKM

**Housing material**  
Plastic

**VEGAMET 841**  
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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