



#### Reliable

High operational reliability even when subjected to inundation

#### Cost effective

Reliable measurement and maintenance-free operation

#### User friendly

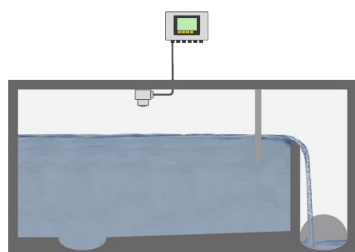
Simple setup and adjustment

## Combined Sewer Overflow (CSO)

### Level measurement in the stormwater overflow chamber

Large Combined Sewer Overflows (CSOs) protect the wastewater treatment plant from a capacity overload during heavy rain. The precipitation is temporarily stored and then delivered to the treatment plant at a reduced rate. If the stormwater basin cannot hold the accumulating quantities of water, part of it is discharged. Due to legal requirements, such operational events and discharged water quantities must be measured and documented. A level sensor provides the required measurement data.

[More details](#)



### VEGAPULS C 22

Event duration and storm water retention monitoring using radar level sensor

- Reliable overflow detection and measuring results, independent of operating conditions
- Radar based sensor enables accurate monitoring of level and discharge quantity
- Level monitoring without brackets which can cause problems with ragging and fouling
- Secure, user-friendly wireless operation via Bluetooth with smartphone, tablet or PC

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### VEGAMET 861

Controller and display instrument for level and flow volume computation

- Clearly arranged display for indication of retained and discharged quantities
- Highly accurate calculation of the discharge volume
- Large measurement data memory with micro SD card

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**VEGAPULS C 22**[Show Product](#)**VEGAMET 861**[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, 1½ NPT, R1½

**Seal material**

FKM

**Housing material**

Housing material

**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