



Combined Sewer Overflow (CSO)

Reliable

High operational reliability even when subjected to inundation

Cost effective

Reliable measurement and maintenance-free operation

User friendly

Simple setup and adjustment

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.

VEGAPULS C 22



Event duration and storm water retention monitoring using radar level sensor

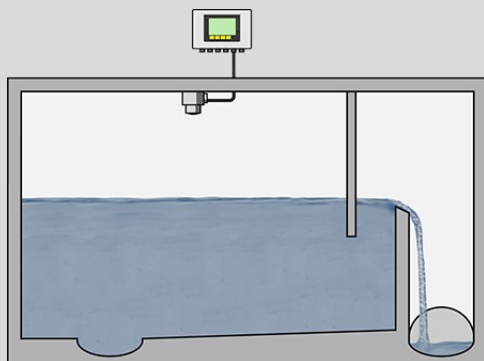
- Reliable overflow detection and measuring results, independent of operating conditions
- Radar based sensor enables accurate monitoring of level and discharge quantity
- Level monitoring without brackets which can cause problems with ragging and fouling
- Secure, user-friendly wireless operation via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



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





| VEGAPULS C 22 | VEGAMET 861 |
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| Measuring range - Distance 15 m | Protection rating IP66/IP67, Type 4X |
| Process temperature -40 ... 80 °C | Input 1 x 4 ... 20 mA/HART sensor input 2x digital input |
| Process pressure -1 ... 3 bar | Output 1 x 0/4 ... 20 mA current output 1x failure relay (instead of operating relay) 4x operating relay |
| Accuracy ± 2 mm | Ambient temperature -40 ... 60 °C |
| Frequency 80 GHz | |
| Beam angle 8° | |
| Materials, wetted parts PVDF | |
| Threaded connection G1½, 1½ NPT, R1½ | |
| Seal material FKM | |
| Housing material Housing material | |