



Vacuum sewerage system

Reliable

Reliable function under all operating conditions

Cost effective

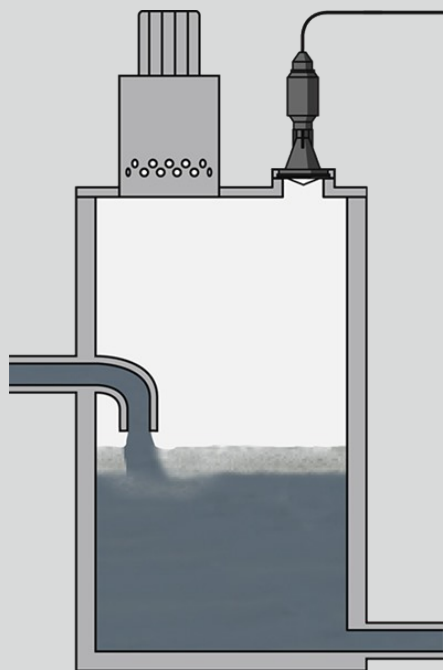
Maintenance-free operation of the system

User friendly

Simple installation and setup

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.



VEGAPULS WL 61

To control the system, the level in the vacuum tank must be continuously monitored

- Reliable operation under changing pressure conditions
- Reliable level measurement even when there is foam or an unsteady, agitated surface
- Non-contact measurement allows maintenance-free operation



VEGAMET 391 - Power supply for sensor, measurement data processing and display

Power supply for sensor, measurement data processing and display

- Simple regulation and control of level and pressure measuring instruments
- Analogue and digital outputs for connection to process control systems
- Large measured value display



VEGAPULS WL 61	VEGAMET 391 - Power supply for sensor, measurement data processing and display
Measuring range - Distance 15 m	Protection rating IP 20/IP 65
Process temperature -40 ... 80 °C	Input 1 x 4 ... 20 mA/HART sensor input with transmitter power supply
Process pressure -1 ... 2 bar	Output 1 x 0/4 ... 20 mA current output up to 6 x operating relay 1 x fail safe relay 1 x Ethernet or 1 x RS232
Accuracy ± 2 mm	Ambient temperature -20 ... 60 °C
Version with plastic horn antenna ø 80 mm	Signal input (specify) 4 ... 20 mA/HART
Materials, wetted parts PP	Signal output (specify) 4 ... 20 mA Operating relay Fail safe relay Ethernet RS232 Display
Threaded connection G1½	
Flange connection ≥ DN80, ≥ 3"	
Housing material Plastic	
Protection rating IP 68 (2 bar)	