



## Digester

### Reliable

Reliable level measurement and protection against foam overflow

### Cost effective

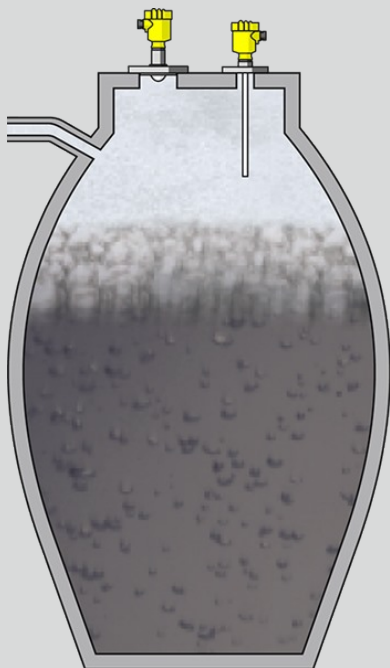
Continuous, maintenance-free operation of the digester

### User friendly

Low maintenance costs and reliable gas production

### Level measurement and point level detection of foam in the digester

The organic components of sewage sludge are decomposed under anaerobic conditions in heated, closed digestion tanks. In the process, combustible gases such as methane are released from the sludge. These are collected in a biogas tank and then converted into electricity and heat in cogeneration (CHP) plants. A level sensor controls the filling of the digester. To ensure that no foam gets into the gas system along with the collected gas, a point level sensor is used for monitoring.



### VEGAPULS 64

Level measurement with radar for control of the filling process

- Maintenance-free operation through non-contact measurement
- Accurate and reproducible measurement data, independent of gas concentration and pressure fluctuations
- Reliable measurement, even with foam and density changes
- Wireless operation via Bluetooth with smartphone, tablet or PC



### VEGACAP 64

Detection of the conductive foam prevents it from entering the gas facility

- Reliable foam detection, even with different foam consistencies
- Unaffected by contamination and buildup
- Simple mounting and setup



VEGAPULS 64	VEGACAP 64
Measuring range - Distance 30 m	Process temperature -50 ... 200 °C
Process temperature -196 ... 200 °C	Process pressure -1 ... 64 bar
Process pressure -1 ... 25 bar	Version PTFE insulation
Accuracy ± 1 mm	Materials, wetted parts PTFE 316L Alloy C22 (2.4602) Alloy 400 (2.4360) Steel C22.8
Frequency 80 GHz	Threaded connection ≥ G¾, ≥ ¾ NPT
Beam angle ≥ 3°	Flange connection ≥ DN25, ≥ 1"
Version with plastic horn antenna ø 80 mm Thread with integrated horn antenna Flange with encapsulated antenna system Hygienic fitting with encapsulated antenna system	Seal material no media contact
Materials, wetted parts PFA PTFE 316L Alloy C22 (2.4602) PEEK	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
Threaded connection ≥ G¾, ≥ ¾ NPT	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)
Flange connection ≥ DN50, ≥ 2"	Output Relay (DPDT) Contactless electronic switch Transistor (NPN/PNP) Two-wire