



Reliable

Reliable measurement of the waste volume

Cost effective

Robust measuring technology ensures long, maintenance-free operation

User friendly

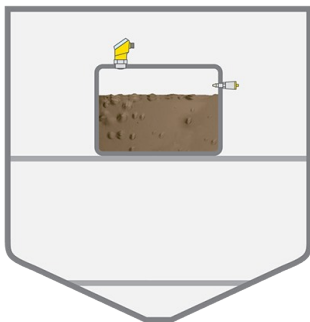
Simple installation and setup

Service tanks with grey and black water

Level measurement in tanks with grey or black water

Waste water, known as grey/black water on ships, is treated on board larger vessels using ship-board clarification plants or it may be stored in special grey/black water tanks to await final disposal. Direct electrical measuring principles are mandatory for level measurement.

[More details](#)



VEGAPULS 21

Level measurement with radar in grey or black water tanks

- Reliable measurement by means of non-contact measuring method, even with liquids containing solids
- Easy installation thanks to the small process fitting

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VEGAPOINT 21

Capacitive point level sensor for point level detection in the service tank

- Compact design enables mounting in virtually any position
- Low-cost level switch with extremely small installation dimensions

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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
Plastic

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Measuring range - Distance
-

Process temperature
-40 ... 115 °C

Process pressure
-1 ... 64 bar

Materials, wetted parts
316L
PEEK

Threaded connection
≥ G½, ≥ ½ NPT

Hygienic fittings
Clamp ≥ 2", DN50 - DIN32676, ISO2852
Clamp ≥ 1" - DIN32676, ISO2852
Clamp ≥ 1½" - DIN32676, ISO2852
Slotted nut ≥ 1½", ≥ DN40 - DIN 11851
Slotted nut ≥ DN25 - DIN 11851
Slotted nut ≥ DN32 - DIN 11851

Seal material
EPDM
FKM

Protection rating
IP66/IP67
IP69

Output
Transistor (NPN/PNP)
IO-Link

Ambient temperature
-40 ... 70 °C