



Reliable

Reliable operation of the fermenter through overflow protection

Cost effective

Universally applicable and modular sensors across the biogas plant, thus very cost-effective spare parts stocking

User friendly

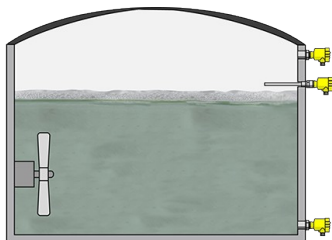
Maintenance-free operation using build up-insensitive technologies

Slurry tanks in biogas plants

Point level and pressure measurement in energy production from liquid manure

Semi-liquid manure, or slurry, in biogas plants is often stored in closed, large-volume slurry tanks. Through fermentation, a valuable energy carrier is extracted from the mixture of organic waste and renewable raw materials. Level and pressure are monitored in the tank, as well as in the delivery and removal systems handling the raw materials and waste.

[More details](#)



VEGACAP 64

Point level detection with capacitive level switch for full and empty alarm in the slurry tank

- Insensitive to product build up, even under conditions of extreme fouling
- Robust, maintenance-free sensor design
- Adjustment-free setup and commissioning minimizes costs

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VEGABAR 82

High-precision pressure measurement in the fermenter

- Different measuring cells allow a targeted application solutions
- High chemical and mechanical resistance thanks to ceramic measuring cell
- Wide array of process fittings ensure easy integration into existing systems

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PRO

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Measuring range - Distance

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Process temperature

-50 ... 200 °C

Process pressure

-1 ... 64 bar

Version

PTFE insulation

Materials, wetted parts

PTFE
 316L
 Alloy C22 (2.4602)
 Steel C22.8

Threaded connection

≥ G¾, ≥ ¾ NPT

Flange connection

≥ DN25, ≥ 1"

Seal material

no media contact

Housing material

Plastic
 Aluminium
 Stainless steel (precision casting)
 Stainless steel (electropolished)

Protection rating

IP66/IP68 (0,2 bar)
 IP66/IP67
 IP66/IP68 (1 bar)

PRO

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Measuring range - Distance

-

Measuring range - Pressure

-1 ... 100 bar

Process temperature

-40 ... 150 °C

Process pressure

-1 ... 100 bar

Accuracy

0.05 %

Materials, wetted parts

PVDF
 316L
 Alloy C22 (2.4602)
 PP
 1.4057
 1.4410
 Alloy C276 (2.4819)
 Duplex (1.4462)
 Titanium Grade 2 (3.7035)

Threaded connection

≥ G½, ≥ ½ NPT

Flange connection

≥ DN15, ≥ ½"

Hygienic fittings

Clamp ≥ 1" - DIN32676, ISO2852
 Slotted nut ≥ DN25 - DIN 11851
 hygienic fitting with tension flange DN32
 hygienic fitting F40 with compression nut
 DRD connection ø 65 mm
 SMS 1145 DN51
 SMS DN38
 Swagelok VCR screwing
 Varivent G125
 Varivent N50-40
 for NEUMO BioControl D50 PN16 / 316L

Seal material

EPDM
 FKM
 FFKM