



Reliable

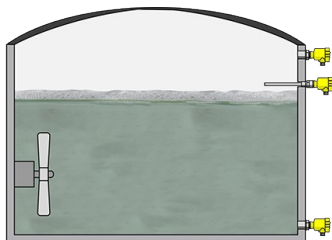
Reliable operation of the fermenter through overflow protection

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	PRO
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Measuring range - Distance -	Measuring range - Distance -
Process temperature -50 ... 200 °C	Measuring range - Pressure -1 ... 100 bar
Process pressure -1 ... 64 bar	Process temperature -40 ... 150 °C
Version PTFE insulation	Process pressure -1 ... 100 bar
Materials, wetted parts PTFE 316L Alloy C22 (2.4602) Steel C22.8	Accuracy 0.05 %
Threaded connection ≥ G¾, ≥ ¾ NPT	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)
Flange connection ≥ DN25, ≥ 1"	Threaded connection ≥ G½, ≥ ½ NPT
Seal material no media contact	Flange connection ≥ DN15, ≥ ½"
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	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
Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)	Seal material EPDM FKM FFKM