

#### Reliable

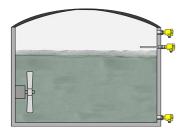
Reliable operation of the fermenter through overflow protection

#### Cost effective

Universally applicable and modular sensors across the biogas plant, thus very costeffective spare parts stocking

#### **User friendly**

Maintenance-free operation using build upinsensitive 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

## **Show Product**

## **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

# **Show Product**



PRO	PRO
VEGACAP 64 Show Product	VEGABAR 82 Show Product
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  Accuracy    PTFE  0.05 %    316L	-
Alloy C22 (2.4602) Steel C22.8	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 ≥ G¾, ≥ ⅔ 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)	Threaded connection ≥ G <sup>1</sup> / <sub>2</sub> , ≥ <sup>1</sup> / <sub>2</sub> NPT
	Flange connection ≥ DN15, ≥ ½"
	Hygenic 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 16L

