



#### Reliable

High measurement certainty without mechanical wear

#### Cost effective

Optimal information on the available gas quantity

#### User friendly

Maintenance-free, reliable operation of the facility

## Biogas storage facility

### Volume and pressure monitoring in the biogas storage facility

The methane gas extracted from the digestion tank is temporarily stored in a gas reservoir. Depending on the design of the gas storage facility, either a flexible diaphragm of plastic or a floating roof is used for volume equalization. The gas volume and gas pressure are measured continuously to ensure reliable and safe operation.

#### More details



#### VEGAPULS 6X

Continuous level measurement with radar for permanent gas volume measurement

- Reliable, maintenance-free measurement
- Independent of environmental influences
- Easy integration into existing gas storage facilities
- Wireless operation via Bluetooth with smartphone, tablet or PC

#### Show Product



#### VEGABAR 82

Monitoring of the gas pressure in the gas reservoir

- High measuring accuracy through use of finely graduated measuring cells
- Robust sensor construction for high availability
- Long-term stability of the ceramic measuring cell ensures maintenance-free operation

#### Show Product

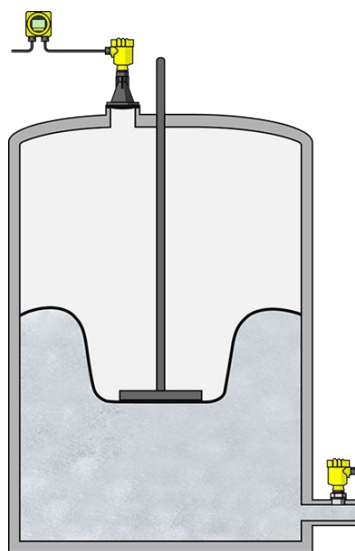





#### VEGATRENN 141

Separator for the optimum supply of power to the connected sensors

- On-site diagnostics for direct display of status via LEDs
- Simple parametrization interface using the HART sockets for user-friendly operation
- Galvanic separation of sensors and PLC is secured

#### Show Product



PRO	PRO	
<b>VEGAPULS 6X</b> <a href="#">Show Product</a>	<b>VEGABAR 82</b> <a href="#">Show Product</a>	<b>VEGATRENN 141</b> <a href="#">Show Product</a>
		
<b>Measuring range - Distance</b> 120 m	<b>Measuring range - Distance</b> -	<b>Protection rating</b> IP20
<b>Process temperature</b> -196 ... 450 °C	<b>Measuring range - Pressure</b> -1 ... 100 bar	<b>Input</b> 1 x 4 ... 20 mA/HART sensor input
<b>Process pressure</b> -1 ... 160 bar	<b>Process temperature</b> -40 ... 150 °C	<b>Output</b> 1 x 4 ... 20 mA
<b>Accuracy</b> ± 1 mm	<b>Process pressure</b> -1 ... 100 bar	<b>Ambient temperature</b> -20 ... 60 °C
<b>Frequency</b> 6 GHz 26 GHz 80 GHz	<b>Accuracy</b> 0.05 %	
<b>Beam angle</b> ≥ 3°	<b>Materials, wetted parts</b> PVDF 316L Alloy C22 (2.4602) PP 1.4057 1.4410 Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035)	
<b>Materials, wetted parts</b> PTFE PVDF 316L PP PEEK	<b>Threaded connection</b> ≥ G¾, ≥ ¾ NPT	
<b>Threaded connection</b> ≥ G¾, ≥ ¾ NPT	<b>Flange connection</b> ≥ DN15, ≥ ½"	
<b>Flange connection</b> ≥ DN20, ≥ ¾"	<b>Hygienic fittings</b> 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	
<b>Hygienic fittings</b> Clamp ≥ 1½" - DIN32676, ISO2852 Slotted nut ≥ 2", DN50 - DIN 11851 Varivent ≥ DN25 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A Hygienic flange connection ≥ DN50 DIN11864-2 Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-3-A DRD connection ø 65 mm SMS 1145 DN51	<b>Seal material</b> EPDM FKM FFKM	