



#### Reliable

Approved materials according to EC 1935/2004 and FDA

#### Cost effective

Sensors exhibit high, long-term stability

#### User friendly

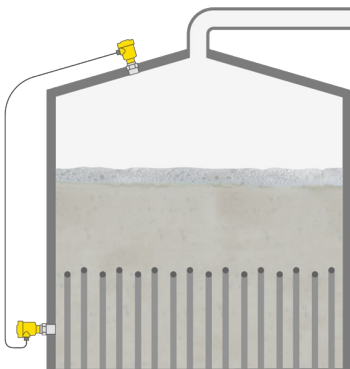
Simple installation and setup

## Sugar vacuum pan

### Level measurement in a sugar vacuum pan

The process in a vacuum pan is designed to ensure the growth of sugar crystals. The syrup is cooked in a closed boiler with steam-heated tubes and the liquid is extracted. The intermediate product is magma, a mixture of crystal sugar and syrup. This mixture is then poured into a holding tank, the crystallizer. In the holding tank, the cooling and drying process creates a substance called massecuite, from which the sugar crystallizes. The level in the tank must remain constant, so a reliable level measurement is required here.

[More details](#)



### VEGABAR 82

Electronic differential pressure measurement for level measurement

- High resistance to the abrasive sugar crystals thanks to ceramic CERTEC® measuring cell
- The dry measuring cell is vacuum resistant and long-term stable
- Reliable measurement, independent of viscosity, steam and condensate

[Show Product](#)

## VEGABAR 82

[Show Product](#)**Measuring range - Distance**

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**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