



### Reliable

Certified materials according to FDA and EC 1935/2004 regulations

### Cost effective

plics® concept: short delivery time, standardised operation

### User friendly

One measurement, three measured values: level, pressure, temperature

## Jam cooking kettle

### Level measurement in a vacuum vessel

Deseeded fruits and other ingredients for the production of jam are weighed and placed in a cooking vessel and gently heated. The cooking process takes place in a closed vacuum boiler at a temperature of 65 °C to 85 °C, in order to maintain the product quality and preserve the fruits' flavours and colours. Pressure transmitters are deployed to closely monitor the vessel pressure and jam cooking process to ensure the setting point for the conserve is reached. One transmitter measures the head pressure, the other at the bottom of the tank measures the total pressure. The difference between the two is used to calculate the level with great precision.

[More details](#)



### VEGABAR 83

Electronic differential pressure measurement for determining the level in the vacuum vessel

- Absolutely vacuum resistant, stable temperature properties
- METEC® measuring cell with patented, self-compensating action
- Accurate measured values, even during the heating phase

[Show Product](#)



**VEGABAR 83**[Show Product](#)**Measuring range - Distance**

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**Measuring range - Pressure**

-1 ... 1000 bar

**Process temperature**

-40 ... 200 °C

**Process pressure**

-1 ... 1000 bar

**Accuracy**

0.075 %

**Materials, wetted parts**

316L  
 Alloy C22 (2.4602)  
 316Ti (1.4571)  
 Alloy C4 (2.4610)

**Threaded connection**

≥ G½, ≥ ½ NPT

**Flange connection**

≥ DN25, ≥ 1"

**Hygienic fittings**

Slotted nut ≥ DN25 - DIN 11851  
 Varivent ≥ DN25  
 hygienic fitting with tension flange DN32  
 Hygienice flange connection ≥ DN50 DIN11864-2  
 SMS 1145 DN51  
 SMS DN38  
 Hygienic fittings ≥ DN33 - DIN11864-1-A  
 Hyg. collar clamp adapter DN40PN40 DIN11864-3-A  
 Hyg. clamp connection DIN11864-3-A; DN50 Rohr ø53  
 Swagelok VCR screwing  
 Varivent G125

**Seal material**

no media contact