

#### 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**



Show Product Show Product Show Product Measuring range - Distance - 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 $\geq G'_{\lambda} \geq 1'$ Hygenic fittings Slotted nut $\geq DN25 - DIN 11851$ Varivent $\geq DN25$ $\geq DN25 \geq 1"$ Hygenic fittings Slotted nut $\geq DN25 - DIN 11851$ Varivent $\geq DN25$ hygienic fittings with tension flange DN32 Hygienic fittings $\geq DN33 - DIN11864-3-A$ Hyg. collar clamp adapter DN40PN40 DIN11864-3-A Hyg. clamp connection DIN11864-3-A; DN50 Rohr ø53 Swagelok VCR screwing		VEGABAR 83
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"   Hygenic fittings   Slotted nut ≥ DN25 - DIN 11851   Varivent ≥ DN25   hygienic fitting with tension flange DN32   Hygienic fittings   Slotted nut ≥ DN25 - DIN 11851   Varivent ≥ DN25   hygienic fitting with tension flange DN32   Hygienic fitting with tension flange DN32   Hygienic fittings ≥ DN33 - DIN11864-1-A   Hyg. collar clamp adapter DN40PN40 DIN11864-3-A   Hyg. collar clamp adapter DN40PN40 DIN11864-3-A   Hyg. clamp connection DIN11864-3-A; DN50 Rohr ø53		
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