

Reliable

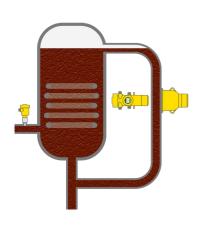
Reliable measurement independent of process conditions

Cost effective

plics® concept: short delivery time and standardized operation

User friendly

Simple installation and commissioning



Evaporator

Density and pressure measurement during spice slurry thickening

In the production of spices, the spices are first mixed with water and oil to form a slurry. This is fed into an evaporator, where water is removed to turn it into a kind of syrup. The thickened spice syrup must have exactly the right density - so that it can be spread thinly onto metal sheets for oven drying, ready to be ground into powder. To ensure the optimal density of the spice syrup, it requires a continuous measurement during manufacture. The pressure in the feed pipe leading to the evaporator also requires careful monitoring to ensure a smooth-running production process.

More details



MINITRAC 31

Radiation-based sensor for density measurement in the evaporator

- External non-contact measurement through the pipeline regardless of process conditions and product properties
- Small, compact design enables space-saving installation
- PLICSCOM display and adjustment module for quick setup and on-site display of measured values

Show Product



VEGASOURCE 31

The source holder houses the radiation capsule and protects it from external influences

- Minimal space requirement and simple installation
- Pneumatic opening and closing of the source holder ensures high operational reliability
- Reliable shielding minimises the control area

Show Product



VEGABAR 82

Pressure transmitter for monitoring pressure in the evaporator feed pipe

- Wear-resistant CERTEC® ceramic measuring cell is non-sensitive to abrasion
- Absolutely front-flush ceramic diaphragm avoids sticking and abrasion damage
- Long service life thanks to the robust measuring cell

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MINITRAC 31 Show Product



Measuring range - Distance

-

Process temperature

-40 ... 60 °C

Process pressure

Accuracy 0.1 %

Materials, wetted parts
No wetted material

Seal material

no media contact

Housing material

Aluminium

Stainless steel (precision casting)

Protection rating

IP66/IP67

Output

Profibus PA

Foundation Fieldbus

Four-wire: 4 ... 20 mA/HART

Ambient temperature

-40 ... 60 °C

VEGASOURCE 31
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Ambient temperature

-20 ... 80 °C

VEGABAR 82 Show Product



Measuring range - Distance

-

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"

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

