



Reliable

Reliable measurement independent of process conditions

Cost effective

plics® concept: short delivery time and standardized operation

User friendly

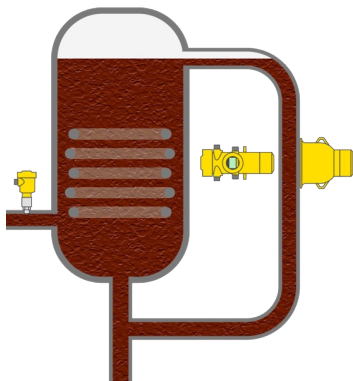
Simple installation and commissioning

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.

[更多细节](#)



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

[产品细节](#)



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

[产品细节](#)



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

[产品细节](#)

PRO

MINITRAC 31
 产品细节

量程 - 距离

-

过程温度

-40 ... 60 °C

过程压力

-

测量精度

0,1 %

接液材质

无润湿材料

密封材料

no media contact

外壳材料
铝Aluminium
不锈钢, 精密铸件
保护方式

IP66/IP67

输出
Profibus PA
Foundation Fieldbus
4 ... 20 mA/HART - four-wire
环境温度

-40 ... 60 °C

VEGASOURCE 31
 产品细节

环境温度

-20 ... 80 °C

PRO

VEGABAR 82
 产品细节

量程 - 距离

-

量程-压力

-1 ... 100 bar

过程温度

-40 ... 150 °C

过程压力

-1 ... 100 bar

测量精度

0,05 %

接液材质
PVDF
316L
镍基热强合金 C22
PP
1.4057
1.4410
Alloy C276 (2.4819)
不锈钢 Duplex (1.44562)
Titan Grade 2 (3.7035)
螺纹连接

≥ G½, ≥ ½ NPT

法兰连接

≥ DN15, ≥ ½"

卫生型连接
Clamp ≥ 1" - DIN32676, ISO2852
管螺栓 ≥ 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
用于 NEUMO BioControl D50 PN16 / 316L
密封材料
EPDM
FKM
FFKM