



Reliable

Reliable operation despite extreme process conditions

Cost effective

Measuring system can be installed without invasive work on the vessel wall and insulation

User friendly

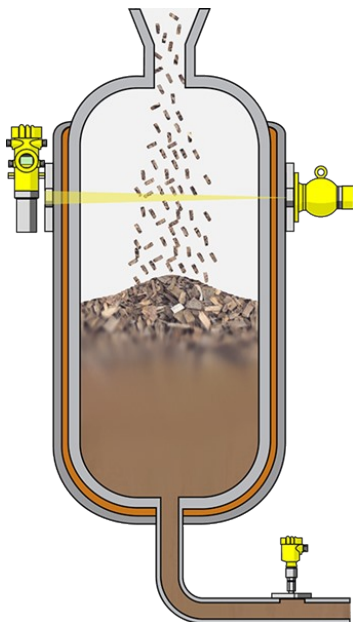
Simple retro installation

Digester

Level detection and pressure measurement in the digester

In the digester, the action of chemical dissolution removes the lignin binder, thereby exposing and freeing the cellulose fibres. During the cooking process according to the alkaline sulphate method, the fibres are fed into the digester by means of steam pressure. To enable fully automatic operation of the digester, a point level detection of the filling is required. The vessel pressure also needs to be carefully monitored throughout this process.

More details



POINTRAC 31

Radiation-based detection of maximum level for controlling the filling process

- Enables automated operation of the digester
- Non-contact measurement right through the vessel wall
- Maintenance-free operation

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VEGABAR 81

Pressure transmitter for pressure measurement in the digester

- Pressure measurement in aggressive media and high temperatures
- Long-term chemical resistance
- Resistant to pressure surges during emptying

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VEGASOURCE 31

The source holder serves as a housing for the radiation capsule and protects it from external influences

- Minimal space requirements and simple mounting
- Safety and reliability ensured through pneumatic operation of the source shutter
- High integrity shielding allows use without a restricted access area

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Measuring range - Distance

-

Process temperature

-40 ... 60 °C

Process pressure

-

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
8/16 mA/HART - four-wire

Ambient temperature

-40 ... 60 °C

PRO

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Measuring range - Distance

-

Measuring range - Pressure

-1 ... 1000 bar

Process temperature

-90 ... 400 °C

Process pressure

-1 ... 1000 bar

Accuracy

0.2 %
0.1 %

Materials, wetted parts

Alloy C22 (2.4602)
Alloy 400 (2.4360)
Tantalum
Alloy C276 (2.4819)
Duplex (1.4462)
Titanium Grade 2 (3.7035)
1.4435
316/316L
Titanium Grade 7 (3.7235)

Threaded connection

≥ G½, ≥ ½ NPT

Flange connection

≥ DN25, ≥ 1"

Hygienic fittings

Clamp ≥ 1" - DIN32676, ISO2852
Slotted nut ≥ 1½", ≥ DN40 - DIN 11851
hygienic fitting with tension flange DN32
hygienic fitting F40 with compression nut
Hygienic flange connection ≥ DN50 DIN11864-2
Hygienic fittings ≥ DN40 - DIN11864-1-A

Seal material

no media contact

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Ambient temperature

-20 ... 80 °C