



## Digester

### 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

### 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.



#### 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



#### 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



#### 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



POINTRAC 31	VEGABAR 81	VEGASOURCE 31
Measuring range - Distance -	Measuring range - Distance -	Ambient temperature -20 ... 80 °C
Process temperature -40 ... 60 °C	Measuring range - Pressure -1 ... 1000 bar	
Process pressure -	Process temperature -90 ... 400 °C	
Materials, wetted parts No wetted material	Process pressure -1 ... 1000 bar	
Seal material no media contact	Accuracy 0.2 %	
Housing material Aluminium Stainless steel (precision casting)	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)	
Protection rating IP66/IP67	Threaded connection ≥ G½, ≥ ½ NPT	
Output Profibus PA Foundation Fieldbus 8/16 mA/HART - four-wire	Flange connection ≥ DN25, ≥ 1"	
Ambient temperature -40 ... 60 °C	Hygienic fittings Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut Hygienice flange connection ≥ DN50 DIN11864-2 Hygienic fittings ≥ DN40 - DIN11864-1-A	
	Seal material no media contact	