

#### Reliable

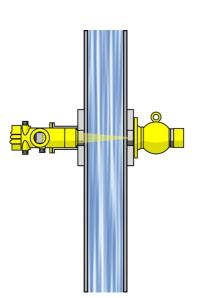
Reliable operation despite extreme process conditions

### Cost effective

Density measurement from the outside, without invasive changes to the pipe

### **User friendly**

Optimized for the application, long-term maintenance-free measurement



# Pipeline in the liquor recovery process

## Density measurement in liquor recovery

The black liquor resulting from pulp cooking is regenerated and fed back into the digester. Liquor regeneration comprises several process steps. The processes take place at high temperatures and pressures; the media are aggressive and sometimes abrasive. Density measurement of the liquor in the pipelines is required for eco-friendly and energy-efficient process control.

### More details



### **MINITRAC 31**

Density measurement with radiation for energy-efficient liquor regeneration

- Enables automation of liquor regeneration process
- Non-contact measurement right through the vessel wall
- Maintenance-free operation

**Show Product** 



MINITRAC 31 Show Product         Show Product         Important the state of t		
-         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		
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