



Reliable

Maximum safety through approvals according to SIL

Cost effective

Reliable density measurement ensures high plant availability

User friendly

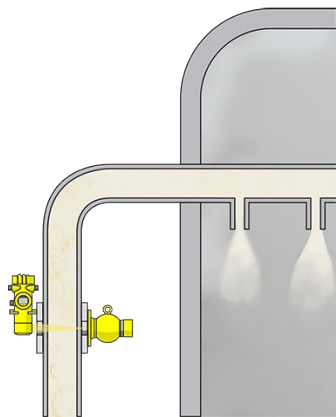
Maintenance-free through non-contact measurement

Lime milk pipeline

Density measurement in lime milk

The flue gas enters the scrubbing tower (absorber) and cools down further. Here the lime milk (gypsum suspension) is sprayed into the flue gas to wash out the SO₂ gas component. The sulphur dioxide is converted into calcium sulphite, which then falls into the absorber sump. To ensure effective flue gas desulfurization, the lime milk (gypsum suspension) must always have a certain density. Radiation-based measurement is used to ensure this.

[More details](#)



MINITRAC 31

Radiation-based density measurement ensures efficient desulfurization

- Non-contact density measurement from the outside, right through the pipeline
- High system availability ensured through wear and maintenance-free operation
- Accurate measuring result, approval according to SIL2

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VEGASOURCE 31

The source container serves as a receptacle and shield for the radioactive source

- Focuses the radiation
- Protects the surroundings from gamma radiation
- Minimal space requirements and simple mounting

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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

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Ambient temperature

-20 ... 80 °C