



Reliable

Optimum protection against diffusion of NH₃

Cost effective

Maintenance-free measurement with high accuracy

User friendly

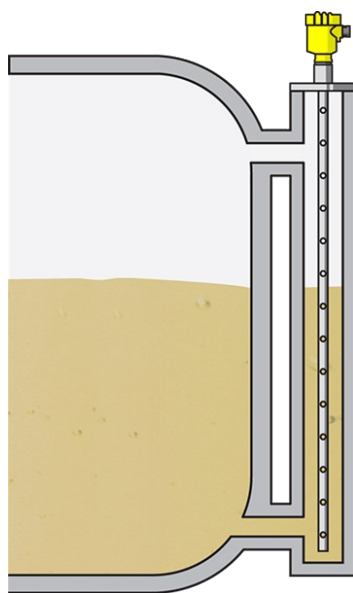
Simple mounting and setup

Ammonia feed tank

Level measurement in the feed tank

To protect the environment, the nitrogen oxide content in the flue gas is reduced as much as possible. This is accomplished by adding air and ammonia to the flue gas. Through a chemical reaction, the nitrogen oxides (NO_x) are transformed into water and nitrogen. The required ammonia (NH₃) is supplied from feed tanks. Level measurement in the feed tank ensures a reliable process.

[More details](#)



VEGAFLEX 81

Dependable, universal level measurement with guided radar over the entire length of the sensor

- The coax version enables measurement independent of tank internals
- Protection against diffusion of NH₃ via a special integrated sealing concept in the sensor
- Simple and time-saving setup, maintenance-free operation and very flexible handling thanks to shortenable probe

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VEGAFLEX 81[Show Product](#)**Measuring range - Distance**

75 m

Process temperature

-60 ... 200 °C

Process pressure

-1 ... 40 bar

Accuracy

± 2 mm

Version

Basic version for exchangeable cable \varnothing 2; \varnothing 4 mm
 Basic version for exchangeable rod \varnothing 8 mm
 Basic version for exchangeable rod \varnothing 12 mm
 Coax version \varnothing 21.3 mm for ammonia application
 Coax version \varnothing 21.3 mm with single hole
 Coax version \varnothing 21.3 mm with multiple hole
 Coax version \varnothing 42.2 mm with multiple hole
 Exchangeable rod \varnothing 8 mm
 Exchangeable rod \varnothing 12 mm
 Exchangeable cable \varnothing 2 mm with gravity weight
 Exchangeable cable \varnothing 4 mm with gravity weight
 Exchangeable cable \varnothing 2 mm with centering weight
 Exchangeable cable \varnothing 4 mm with centering weight
 Exchangeable cable \varnothing 4 mm without weight
 exchangeable, PFA-coated cable \varnothing 4 mm with non-coated
 centering weight

Materials, wetted parts

PFA
 316L
 Alloy C22 (2.4602)
 Alloy 400 (2.4360)
 Alloy C276 (2.4819)
 Duplex (1.4462)
 304L

Threaded connection $\geq G\frac{3}{4}$, $\geq \frac{3}{4}$ NPT**Flange connection** $\geq DN25$, $\geq 1"$ **Seal material**

EPDM
 FKM
 FFKM
 Silicone FEP coated
 Borosilicate glass

Housing material

Plastic
 Aluminium
 Stainless steel (precision casting)
 Stainless steel (electropolished)