



#### Reliable

Optimum protection against diffusion of NH<sub>3</sub>

#### Cost effective

Maintenance-free measurement with high accuracy

#### User friendly

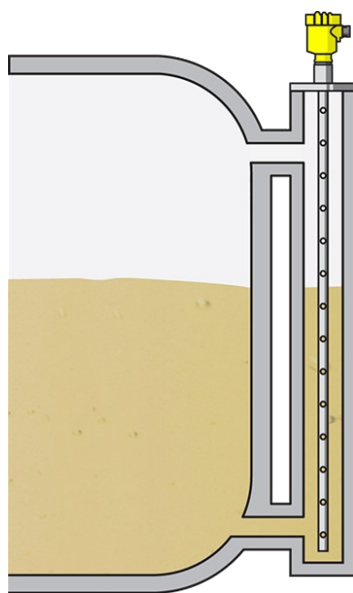
Simple mounting and setup

## 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<sub>x</sub>) are transformed into water and nitrogen. The required ammonia (NH<sub>3</sub>) 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 NH<sub>3</sub> 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 ø 2; ø 4 mm  
 Basic version for exchangeable rod ø 8 mm  
 Basic version for exchangeable rod ø 12 mm  
 Coax version ø 21.3 mm for ammonia application  
 Coax version ø 21.3 mm with single hole  
 Coax version ø 21.3 mm with multiple hole  
 Coax version ø 42.2 mm with multiple hole  
 Exchangeable rod ø 8 mm  
 Exchangeable rod ø 12 mm  
 Exchangeable cable ø 2 mm with gravity weight  
 Exchangeable cable ø 4 mm with gravity weight  
 Exchangeable cable ø 2 mm with centering weight  
 Exchangeable cable ø 4 mm with centering weight  
 Exchangeable cable ø 4 mm without weight  
 exchangeable, PFA-coated cable ø4 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**

≥ G¾, ≥ ¾ NPT

**Flange connection**

≥ DN25, ≥ 1"

**Seal material**

EPDM  
 FKM  
 FFKM  
 Silicone FEP coated  
 Borosilicate glass

**Housing material**

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