



#### Reliable

High reliability and functional safety

#### Cost effective

Maintenance-free operation with simple calibration and proof testing

#### User friendly

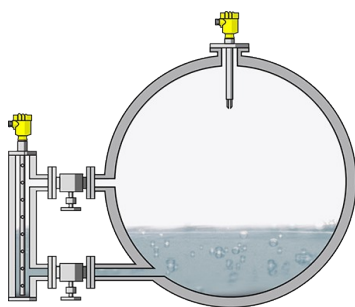
Fast and easy installation and setup

## Anhydrous ammonia storage tank

### Level measurement and point level detection in the anhydrous ammonia storage tank

During the sulfur removal process, nitrogen is converted into ammonia through a water wash process to be sold for fertilizer production. Stringent environmental restrictions and the high hazard potential make secure control of the levels in ammonia handling processes absolutely necessary.

[More details](#)



#### VEGASWING 63

Vibrating level switch for overfill protection

- Setup without filling reduces installation efforts
- Metal sealing protects against diffusion
- Easy function test by simple pushing a button

[Show Product](#)



#### VEGAFLEX 81

Level measurement with guided wave radar in the storage tank

- Front flush borosilicate glass seal provides uncompromising protection against diffusion
- Permeation resistance translates to freedom from maintenance and considerable savings
- Precise measurement results unaffected by boiling liquid surface or vapours

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PRO

**VEGASWING 63**[Show Product](#)**Process temperature**

-50 ... 250 °C

**Process pressure**

-1 ... 64 bar

**Version**

Standard  
 Hygienic applications  
 with gas-tight leadthrough  
 with tube extension  
 with temperature adapter

**Materials, wetted parts**

PFA  
 316L  
 Alloy C22 (2.4602)  
 Alloy 400 (2.4360)  
 ECTFE  
 Enamel

**Threaded connection**≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  NPT**Flange connection**

≥ DN25, ≥ 1"

**Hygienic fittings**

Clamp ≥ 1" - DIN32676, ISO2852  
 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851  
 Varivent ≥ DN25  
 hygienic fitting F40 with compression nut  
 SMS 1145 DN51  
 SMS DN38  
 Hygienic fittings ≥ DN25 - DIN11864-1-A  
 Hygienic flange connection DIN11864-2-A;  
 DN60(ISO)ø60,3  
 SMS socket piece DN38 PN6

**Seal material**

no media contact

**Housing material**

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

**Protection rating**

IP66/IP67  
 IP66/IP68 (1 bar)  
 IP65

PRO

**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**≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  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)