



Reliable

Special sealing concept prevents diffusion

Cost effective

Maximum tank utilization

User friendly

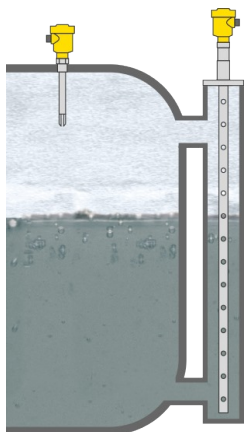
Minimal maintenance costs

Ammonia tank

Level measurement and point level detection in the ammonia tank

The diffusion behaviour of ammonia is extreme, which means it can eventually pass through any conventional process fitting or elastomer seal. To avoid any long term leaks and unwanted outages, gas-tight process sealing and special safety configurations are therefore mandatory, which considerably restricts the choice of instrumentation. The high risk potential and tough environmental restrictions also make reliable control of the level absolutely necessary when handling ammonia.

[More details](#)



VEGAFLEX 81

Level measurement with guided radar in the ammonia tank

- Measurement is unaffected by the ammonia atmosphere
- Protection against ammonia diffusion using special sensor sealing concept
- Precise measurement data enables high process reliability

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VEGASWING 63

Vibrating level switch for overfill protection in the ammonia tank

- Absolutely diffusion-tight fully welded structure
- Simple setup without calibration
- Function test during operation reduces maintenance costs and increases process availability

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PRO	PRO
VEGAFLEX 81 Show Product	VEGASWING 63 Show Product
	
Measuring range - Distance 75 m	Process temperature -50 ... 250 °C
Process temperature -60 ... 200 °C	Process pressure -1 ... 64 bar
Process pressure -1 ... 40 bar	Version Standard Hygienic applications with gas-tight leadthrough with tube extension with temperature adapter
Accuracy ± 2 mm	Materials, wetted parts PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) ECTFE Enamel
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	Threaded connection ≥ G¾, ≥ ¾ NPT
Materials, wetted parts PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) Alloy C276 (2.4819) Duplex (1.4462) 304L	Flange connection ≥ DN25, ≥ 1"
Threaded connection ≥ G¾, ≥ ¾ NPT	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
Flange connection ≥ DN25, ≥ 1"	Seal material no media contact
Seal material EPDM FKM FFKM Silicone FEP coated Borosilicate glass	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	Protection rating IP66/IP67 IP66/IP68 (1 bar) IP65