



Reliable

Reliable measurement of volatile substances

Cost effective

Simple and maintenance-free operation

User friendly

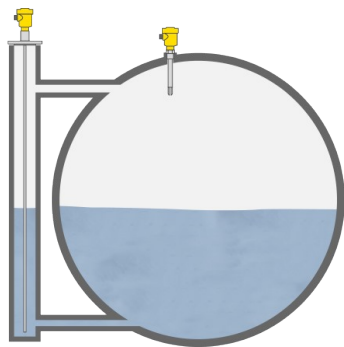
Simple bypass installation

Ammonia separator

Level measurement and point level detection in the ammonia separator

In the ammonia separator, the reaction gas mixture (ammonia, hydrogen, nitrogen, traces of methane) is cooled to the boiling point of ammonia ($-33\text{ }^{\circ}\text{C}$). This condenses the ammonia gas. A bypass tube is typically used for measuring the level of the condensed ammonia. In addition, a limit switch is also installed directly in the vessel as a redundant measurement.

[More details](#)



VEGAFLEX 81

Level measurement with guided radar in the separator

- Protection against diffusion by ammonia by means of a special sealing concept integrated in the sensor
- Shortenable sensors enable individual adaptation
- Precise measurement data despite condensate
- Available for up to SIL2

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VEGASWING 63

Vibrating level switch as overfill protection in the separator

- Optimal protection thanks to "Second Line of Defense"
- Simple setup without calibration
- Precise, reliable function through product-independent switching point

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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