

#### Reliable

Reliable measurement of volatile substances

#### Cost effective

Simple and maintenance-free operation

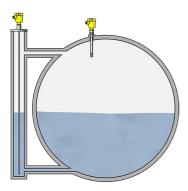
User friendly Simple bypass installation

# 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 °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

## **Show Product**

## **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

**Show Product** 



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VEGAFLEX 81	VEGASWING
Show Product	Show Produ
**** *	
Measuring range - Distance	Process temperature
75 m	-50 250 °C
Process temperature	Process pressure
-60 200 °C	-1 64 bar
Process pressure	Version
-1 40 bar	Standard
	Hygienic applications
Accuracy	with gas-tight leadthrough
± 2 mm	with tube extension
Version	with temperature adapter
Basic version for exchangeable cable ø 2; ø 4 mm	Materials, wetted parts
Basic version for exchangeable rod ø 8 mm	PFA
Basic version for exchangeable rod ø 12 mm	316L
Coax version ø 21.3 mm for ammonia application	Alloy C22 (2.4602)
Coax version ø 21.3 mm with single hole	Alloy 400 (2.4360)
Coax version ø 21.3 mm with multiple hole	ECTFE
Coax version ø 42.2 mm with multiple hole	Enamel
Exchangeable rod ø 8 mm	
Exchangeable rod ø 12 mm	Threaded connection
Exchangeable cable ø 2 mm with gravity weight	≥ G <sup>3</sup> ⁄4, ≥ <sup>3</sup> ⁄4 NPT
Exchangeable cable ø 4 mm with gravity weight	Flange connection
Exchangeable cable ø 2 mm with centering weight	Flange connection
Exchangeable cable ø 4 mm with centering weight	≥ DN25, ≥ 1"
Exchangeable cable ø 4 mm without weight	Hygenic fittings
exchangeable, PFA-coated cable ø4 mm with non-coated	Clamp ≥ 1" - DIN32676, ISO2852
centering weight	Slotted nut $\ge 1\frac{1}{2}$ ", $\ge DN40 - DIN 118$
Materials, wetted parts	Varivent ≥ DN25
PFA	hygienic fitting F40 with compression
316L	SMS 1145 DN51
Alloy C22 (2.4602)	SMS DN38
Alloy 400 (2.4360)	Hygienic fittings ≥ DN25 - DIN11864
Alloy C276 (2.4819)	Hygienic flange connection DIN1186
Duplex (1.4462)	DN60(ISO)ø60,3
304L	SMS socket piece DN38 PN6
Threaded connection	Seal material
≥ G¾, ≥ ¾ NPT	no media contact
Flange connection	Housing material
≥ DN25, ≥ 1"	Plastic
	Aluminium
Seal material	Stainless steel (precision casting)
EPDM	Stainless steel (electropolished)
FKM	
FFKM	Protection rating
Silicone FEP coated	IP66/IP67
Borosilicate glass	IP66/IP68 (1 bar) IP65
Housing material	11 <sup>-00</sup>
Plastic	
Aluminium	
Stainless steel (precision casting)	
Stainless steel (electronolished)	

Stainless steel (electropolished)

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