



#### Reliable

Reliable measurement of volatile substances

#### Cost effective

Simple and maintenance-free operation

#### User friendly

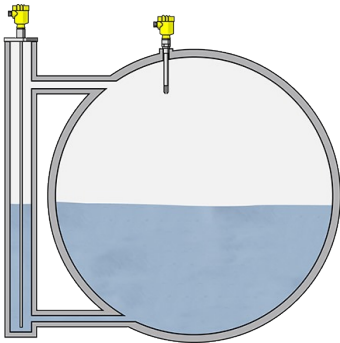
Simple bypass installation

## 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

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#### VEGASWING 63

Vibrating level switch as overflow 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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## VEGAFLEX 81

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**Measuring range - Distance**  
75 m

**Process temperature**  
-60 ... 200 °C

**Process pressure**  
-1 ... 40 bar

**Accuracy**  
± 2 mm

### Version

Basic version for exchangeable cable  $\varnothing$  2;  $\varnothing$  4 mm  
 Basic version for exchangeable rod  $\varnothing$  8 mm  
 Basic version for exchangeable rod  $\varnothing$  12 mm  
 Coax version  $\varnothing$  21.3 mm for ammonia application  
 Coax version  $\varnothing$  21.3 mm with single hole  
 Coax version  $\varnothing$  21.3 mm with multiple hole  
 Coax version  $\varnothing$  42.2 mm with multiple hole  
 Exchangeable rod  $\varnothing$  8 mm  
 Exchangeable rod  $\varnothing$  12 mm  
 Exchangeable cable  $\varnothing$  2 mm with gravity weight  
 Exchangeable cable  $\varnothing$  4 mm with gravity weight  
 Exchangeable cable  $\varnothing$  2 mm with centering weight  
 Exchangeable cable  $\varnothing$  4 mm with centering weight  
 Exchangeable cable  $\varnothing$  4 mm without weight  
 exchangeable, PFA-coated cable  $\varnothing$  4 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**  
 $\geq G\frac{3}{4}$ ,  $\geq \frac{3}{4}$  NPT

**Flange connection**  
 $\geq DN25$ ,  $\geq 1"$

### Seal material

EPDM  
 FKM  
 FFKM  
 Silicone FEP coated  
 Borosilicate glass

### Housing material

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

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## VEGASWING 63

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**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**  
 $\geq G\frac{3}{4}$ ,  $\geq \frac{3}{4}$  NPT

**Flange connection**  
 $\geq DN25$ ,  $\geq 1"$

### Hygienic fittings

Clamp  $\geq 1"$  - DIN32676, ISO2852  
 Slotted nut  $\geq 1\frac{1}{2}"$ ,  $\geq DN40$  - DIN 11851  
 Varivent  $\geq DN25$   
 hygienic fitting F40 with compression nut  
 SMS 1145 DN51  
 SMS DN38  
 Hygienic fittings  $\geq DN25$  - DIN11864-1-A  
 Hygienic flange connection DIN11864-2-A;  
 DN60(ISO) $\varnothing$ 60,3  
 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