

#### Reliable

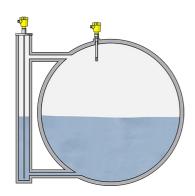
Reliable measurement of volatile substances

## **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** 



# 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 ø 4 mm with non-coated
centering weight

## Materials, wetted parts

PFA 316L Alloy C22 (2

Alloy C22 (2.4602) Alloy 400 (2.4360) Alloy C276 (2.4819) Duplex (1.4462)

304L

## Threaded connection

≥ G3/4, ≥ 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)

## **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

≥ G3/4, ≥ 3/4 NPT

### Flange connection

≥ DN25, ≥ 1"

## Hygenic fittings

Clamp  $\geq$  1" - DIN32676, ISO2852 Slotted nut  $\geq$  1½",  $\geq$  DN40 - DIN 11851 Varivent  $\geq$  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

