



#### Reliable

The high reliability of measurement protects the vacuum pumps from water intake

#### Cost effective

High availability of the vacuum system

#### User friendly

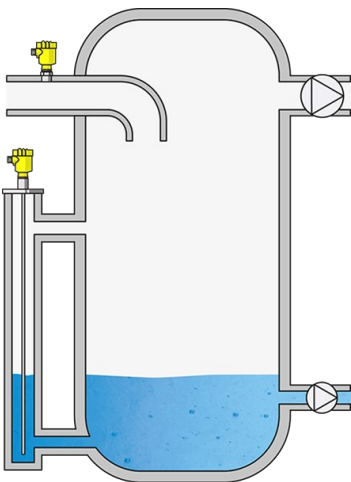
Easy to install, setup without calibration

## Water separator

### Level measurement in the water separator and pressure measurement upstream of the vacuum pump

The paper web is dewatered in the press and wire section of the paper machine. As the resulting water is removed via vacuum pipelines which are monitored by pressure transmitters to control the vacuum pump. It is also very important to prevent water from getting into the vacuum pump. To achieve this, water separators are built into the feed lines and the separated water is drawn off by a water pump. A continuous level measurement is used to control the level and the pump.

[More details](#)



#### VEGAFLEX 81

Level measurement with guided wave radar in the water separator

- Reliable measurement even in vacuum
- High accuracy even with small measuring ranges
- Measurement in the bypass independent of process conditions

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#### VEGABAR 82

Pressure measurement in the pipeline for regulation of the vacuum pump

- Self-cleaning effect through front-flush installation in the pipe
- Permanently vacuum resistant
- Highly abrasion resistant CERTEC® measuring cell

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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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## VEGABAR 82

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**Measuring range - Distance**  
-

**Measuring range - Pressure**  
-1 ... 100 bar

**Process temperature**  
-40 ... 150 °C

**Process pressure**  
-1 ... 100 bar

**Accuracy**  
0.05 %

### Materials, wetted parts

PVDF  
 316L  
 Alloy C22 (2.4602)  
 PP  
 1.4057  
 1.4410  
 Alloy C276 (2.4819)  
 Duplex (1.4462)  
 Titanium Grade 2 (3.7035)

**Threaded connection**  
 $\geq G\frac{1}{2}$ ,  $\geq \frac{1}{2}$  NPT

**Flange connection**  
 $\geq DN15$ ,  $\geq \frac{1}{2}"$

### Hygienic fittings

Clamp  $\geq 1"$  - DIN32676, ISO2852  
 Slotted nut  $\geq DN25$  - DIN 11851  
 hygienic fitting with tension flange DN32  
 hygienic fitting F40 with compression nut  
 DRD connection  $\varnothing$  65 mm  
 SMS 1145 DN51  
 SMS DN38  
 Swagelok VCR screwing  
 Varivent G125  
 Varivent N50-40  
 for NEUMO BioControl D50 PN16 / 316L

### Seal material

EPDM  
 FKM  
 FFKM