



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