



Water separator

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

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.



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



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



VEGAFLEX 81	VEGABAR 82
Measuring range - Distance 75 m	Measuring range - Distance -
Process temperature -60 ... 200 °C	Measuring range - Pressure -1 ... 100 bar
Process pressure -1 ... 40 bar	Process temperature -40 ... 150 °C
Accuracy ± 2 mm	Process pressure -1 ... 100 bar
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 ø4 mm with non-coated centering weight	Accuracy 0.05 %
Materials, wetted parts PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) Alloy C276 (2.4819) Duplex (1.4462) 304L	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 ≥ G¾, ≥ ¾ NPT	Threaded connection ≥ G½, ≥ ½ NPT
Flange connection ≥ DN25, ≥ 1"	Flange connection ≥ DN15, ≥ ½"
Seal material EPDM FKM FFKM Silicone FEP coated Borosilicate glass	Hygienic fittings Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ DN25 - DIN 11851 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut DRD connection ø 65 mm SMS 1145 DN51 SMS DN38 Swagelok VCR screwing Varivent G125 Varivent N50-40 for NEUMO BioControl D50 PN16 / 316L
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	Seal material EPDM FKM FFKM