



Storage towers

Reliable

Reliable measurement despite steam and changing stock temperatures and densities

Cost effective

Optimal utilization of the container volume

User friendly

Simple installation and setup

Level measurement in storage towers

Large quantities of prepared stock are needed to keep a paper mill running continuously. This material is stored in high storage towers. They are characterised by their large material throughput and agitators that ensure the homogeneity of the stock. Inside, the warm stock generates lots of steam and the pumping and stirring processes make the surface very turbulent. Reliable level measurement ensures a continuous supply of stock and prevents the agitator from running dry.



VEGABAR 82

Hydrostatic level measurement as dry run protection for the agitator

- Front-flush installation in ball valve fitting
- Installation and removal without emptying storage tower
- Long-term stability thanks to dry measuring cell



VEGAPULS 64

Level measurement with radar in storage towers

- Non-contact, maintenance-free level measurement
- Reliable measurement, unaffected by steam
- Very good beam focusing enables exact measurement, even with heavy deposits on the silo walls



VEGABAR 82	VEGAPULS 64
Measuring range - Distance -	Measuring range - Distance 30 m
Measuring range - Pressure -1 ... 100 bar	Process temperature -196 ... 200 °C
Process temperature -40 ... 150 °C	Process pressure -1 ... 25 bar
Process pressure -1 ... 100 bar	Accuracy ± 1 mm
Accuracy 0.05 %	Frequency 80 GHz
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)	Beam angle ≥ 3°
Threaded connection ≥ G½, ≥ ½ NPT	Version with plastic horn antenna ø 80 mm Thread with integrated horn antenna Flange with encapsulated antenna system Hygienic fitting with encapsulated antenna system
Flange connection ≥ DN15, ≥ ½"	Materials, wetted parts PFA PTFE 316L Alloy C22 (2.4602) PEEK
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	Threaded connection ≥ G¾, ≥ ¾ NPT
Seal material EPDM FKM FFKM	Flange connection ≥ DN50, ≥ 2"