



Bleaching tower

Reliable

High operational reliability by reliable measurement, even with high pulp densities

Cost effective

Maximum utilization of bleaching tower volume

User friendly

Minimal servicing thanks to non-contact, maintenance-free measurement

Level measurement and point level detection in the bleaching tower

In order to achieve the desired degree of whiteness, the pulp must be bleached. For this it is filled into the 25 meter high bleaching tower. The bleaching process runs continuously at temperatures up to 95 °C, with using chemicals such as oxygen, ozone or peroxide. The bleached pulp is discharged via screw conveyors. Due to its size, the bleaching tower is never emptied. Continuous level measurement enables a smooth process flow.



VEGAPULS 69

Non-contact level measurement with radar in the bleaching tower

- Rinsing air connection on the sensor prevents buildup
- Reliable measurement, even with fluctuating pulp density
- Wear and maintenance-free



VEGABAR 82

Hydrostatic level measurement for controlling stock discharge

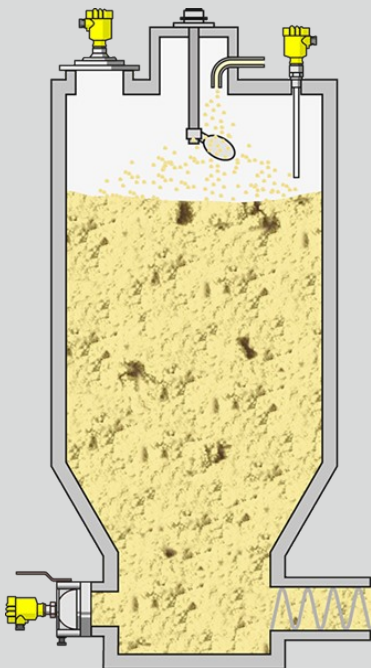
- Front-flush installation in the ball valve fitting
- Robust ceramic for long-term use
- High measurement accuracy, even with small measuring ranges



VEGACAP 64

Capacitive level detection as protection against overfilling

- Reliable function despite adhesive medium
- High-quality materials ensure good chemical resistance
- Maintenance-free





VEGAPULS 69	VEGABAR 82	VEGACAP 64
Measuring range - Distance 120 m	Measuring range - Distance -	Process temperature -50 ... 200 °C
Process temperature -40 ... 200 °C	Measuring range - Pressure -1 ... 100 bar	Process pressure -1 ... 64 bar
Process pressure -1 ... 20 bar	Process temperature -40 ... 150 °C	Version PTFE insulation
Accuracy ± 5 mm / ± 0.2"	Process pressure -1 ... 100 bar	Materials, wetted parts PTFE 316L Alloy C22 (2.4602) Alloy 400 (2.4360) Steel C22.8
Frequency 80 GHz	Accuracy 0.05 %	Threaded connection ≥ G¾, ≥ ¾ NPT
Beam angle ≥ 3,5°	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)	Flange connection ≥ DN25, ≥ 1"
Version with plastic horn antenna ø 80 mm Metal jacketed lens antenna	Threaded connection ≥ G½, ≥ ½ NPT	Seal material no media contact
Materials, wetted parts 316L PP PEEK	Flange connection ≥ DN15, ≥ ½"	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
Threaded connection G1½, 1½ NPT	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	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)
Flange connection ≥ DN80, ≥ 3"	Seal material EPDM FKM FFKM	Output Relay (DPDT) Contactless electronic switch Transistor (NPN/PNP) Two-wire