



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

Bleaching tower

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.

More details



VEGAPULS 6X

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

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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

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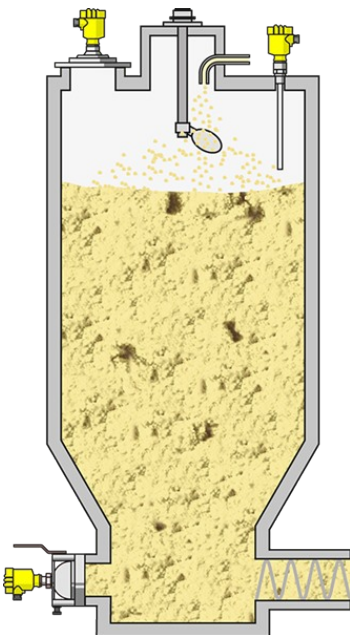



VEGACAP 64


Capacitive level detection as protection against overfilling


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

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Measuring range - Distance 120 m	
Process temperature -196 ... 450 °C	
Process pressure -1 ... 160 bar	
Accuracy ± 1 mm	
Frequency 6 GHz 26 GHz 80 GHz	
Beam angle ≥ 3°	
Materials, wetted parts PTFE PVDF 316L PP PEEK	
Threaded connection ≥ G¾, ≥ ¾ NPT	
Flange connection ≥ DN20, ≥ ¾"	
Hygienic fittings Clamp ≥ 1½" - DIN32676, ISO2852 Slotted nut ≥ 2", DN50 - DIN 11851 Varivent ≥ DN25 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A Hygienic flange connection ≥ DN50 DIN11864-2 Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-3-A DRD connection ø 65 mm SMS 1145 DN51	

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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 ≥ G½, ≥ ½ NPT	
Flange connection ≥ DN15, ≥ ½"	
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	
Seal material EPDM FKM FFKM	

PRO	
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Measuring range - Distance -	
Process temperature -50 ... 200 °C	
Process pressure -1 ... 64 bar	
Version PTFE insulation	
Materials, wetted parts PTFE 316L Alloy C22 (2.4602) Steel C22.8	
Threaded connection ≥ G¾, ≥ ¾ NPT	
Flange connection ≥ DN25, ≥ 1"	
Seal material no media contact	
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	
Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)	