



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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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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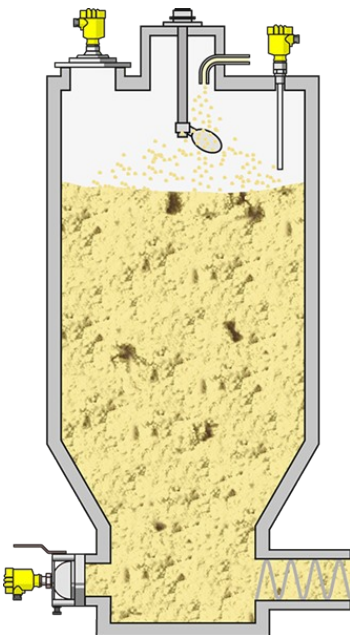


VEGACAP 64

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

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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)