

#### Reliable

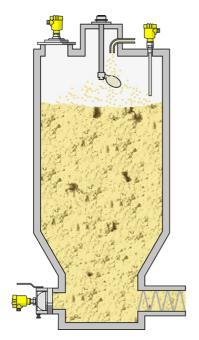
High operational reliability by reliable measurement, even with high pulp densities

## 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

### **Show Product**

# **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

### **Show Product**

## **VEGACAP 64**

Capacitive level detection as protection against overfilling

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

#### **Show Product**



PRO	PRO	PRO
VEGAPULS 6X Show Product	VEGABAR 82 Show Product	VEGACAP 64 Show Product
Measuring range - Distance 120 m	Measuring range - Distance -	Measuring range - Distance -
Process temperature -196 450 °C	Measuring range - Pressure -1 100 bar	Process temperature -50 200 °C
Process pressure -1 160 bar	Process temperature -40 150 °C	Process pressure -1 64 bar
Accuracy ± 1 mm	Process pressure -1 100 bar	Version PTFE insulation
Frequency 6 GHz 26 GHz 80 GHz	Accuracy 0.05 % Materials, wetted parts	Materials, wetted parts PTFE 316L Alloy C22 (2.4602)
Beam angle ≥ 3°	PVDF 316L Alloy C22 (2.4602) PP	Steel C22.8 Threaded connection
Materials, wetted parts PTFE PVDF 316L PP	1.4057 1.4410 Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035)	≥ G¾, ≥ ¾ NPT Flange connection ≥ DN25, ≥ 1" Seal material
PEEK Threaded connection ≥ G <sup>3</sup> <sub>4</sub> , ≥ <sup>3</sup> <sub>4</sub> NPT	Threaded connection       ≥ G½, ≥ ½ NPT	no media contact      Housing material      Plastic
Flange connection ≥ DN20, ≥ ¾"	Flange connection ≥ DN15, ≥ ½"	Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
<b>Hygenic fittings</b> Clamp ≥ 1½" - DIN32676, ISO2852 Slotted nut ≥ 2", DN50 - DIN 11851 Varivent ≥ DN25	Hygenic fittings Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ DN25 - DIN 11851 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)
hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A Hygienice flange connection ≥ DN50 DIN11864-2 Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-	DRD connection ø 65 mm SMS 1145 DN51 SMS DN38 Swagelok VCR screwing Varivent G125 Varivent N50-40	
3-A DRD connection ø 65 mm SMS 1145 DN51	for NEUMO BioControl D50 PN16 / 316L Seal material EPDM FKM	

FFKM

