**Reliable**

Prevents jamming, thus ensuring a smooth automated process

**Cost effective**

Enables optimal ratio of pulp/waste paper to process water

**User friendly**

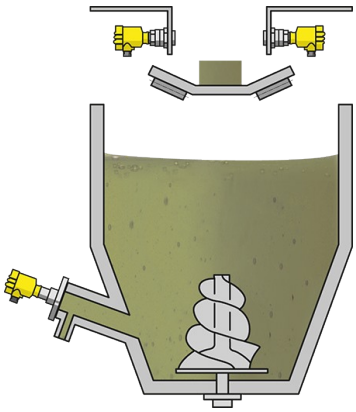
Wear and maintenance-free thanks to non-contact measurement

# Pulper

## Level measurement and blockage detection in the pulper and conveyor belt monitoring

Waste paper or pulp bales are transported on a conveyor belt to the pulper, where they are broken down by adding process water. A stirrer speeds up to separate fibers. Difficult process conditions exist in the pulper: falling bales cause severe pressure shocks, the stirrer creates vortexes. Besides that, foreign substances like wire, glass or sand enter the process along with the waste paper and have an extremely abrasive effect on the interior of the vessel. To ensure an automatic process flow, the level measuring system must establish the ratio of waste paper/pulp to process water. In addition, a possible jamming of the bales on the conveyor belt must be detected.

**More details**



### VEGAMIP 61

Microwave barrier for measurement of the loading height

- Non-contact measurement, therefore wear-free
- Reliable measurement of loading height
- Maintenance-free detection system, no cleaning required

**Show Product**

### VEGABAR 82

Hydrostatic level measurement in the pulper

- Highly resistant to overload from pressure surges
- Very highly abrasion resistant
- Wear-free ceramic measuring cell for a long service life

**Show Product**

PRO

## VEGAMIP 61

Show Product

**Measuring range - Distance**
100 m

**Process temperature**
-40 ... 80 °C

**Process pressure**
-1 ... 4 bar

**Version**
hygienically encapsulated horn antenna
for separate horn antenna
with horn antenna ø 40 mm
with horn antenna ø 48 mm
with horn antenna ø 75 mm
with horn antenna ø 95 mm
with plastic horn antenna ø 80 mm
Horn antenna ø 1½"
with encapsulated horn antenna

**Materials, wetted parts**
PTFE
316L
1.4848
PP

**Threaded connection**
G1½, 1½ NPT

**Flange connection**
≥ DN50, ≥ 2"

**Hygenic fittings**
Slotted nut ≥ 2", DN50 - DIN 11851
Varivent ≥ DN25
DRD connection ø 65 mm
for NEUMO BioControl D50 PN16 / 316L

**Seal material**
FKM
FFKM

**Housing material**
Plastic
Aluminium
Stainless steel (precision casting)
Stainless steel (electropolished)

PRO

## VEGABAR 82

Show Product

**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"

**Hygenic 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