



**Reliable**

Prevents jamming, thus ensuring a smooth automated process

**Cost effective**

Enables optimal ratio of pulp/waste paper to process water

**User friendly**

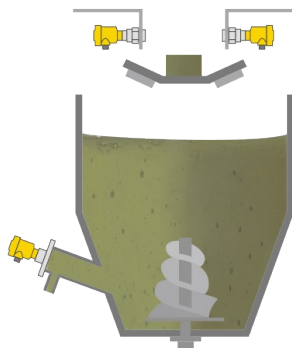
Wear and maintenance-free thanks to non-contact measurement

## 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 vortices. 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

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**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

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**VEGAMIP 61**  
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**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"

**Hygienic 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**  
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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**  
 ≥ G¼, ≥ ¼ 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