



## Pulper

### 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

### 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.

#### ▫ VEGAMIP 61

Microwave barrier for measurement of the loading height

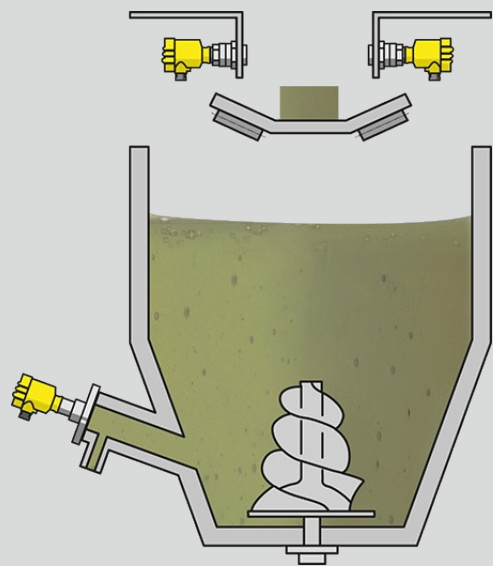
- Non-contact measurement, therefore wear-free
- Reliable measurement of loading height
- Maintenance-free detection system, no cleaning required



#### 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





VEGAMIP 61	VEGABAR 82
Measuring range - Distance 100 m	Measuring range - Distance -
Process temperature -40 ... 80 °C	Measuring range - Pressure -1 ... 100 bar
Process pressure -1 ... 4 bar	Process temperature -40 ... 150 °C
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	Process pressure -1 ... 100 bar
Materials, wetted parts PTFE 316L 1.4848 PP	Accuracy 0.05 %
Threaded connection ≥ G1½, ≥ 1½ NPT	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)
Flange connection ≥ DN50, ≥ 2"	Threaded connection ≥ G½, ≥ ½ NPT
Hygienic fittings Slotted nut ≥ 2", DN50 - DIN 11851 Varivent ≥ DN25 DRD connection ø 65 mm for NEUMO BioControl D50 PN16 / 316L	Flange connection ≥ DN15, ≥ ½"
Seal material FKM FFKM	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
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	Seal material EPDM FKM FFKM