



#### Reliable

Reliable measurement is ensured in all weather conditions

#### Cost effective

Optimum utilization of stockpile capacity

#### User friendly

Maintenance-free operation

## Bulk solids stockpile

### Level measurement of stockpiles

After being crushed, screened and sorted into different grain sizes, the gravel and sand are transported on conveyors and stored in large stockpiles. To automate the stockpiling levels and enable the optimum area to be filled, a reliable level measurement is essential.

[More details](#)



### VEGAPULS 6X

Non-contact stockpile monitoring with radar

- Reliable stockpile control, unaffected by material flow and weather conditions
- Maintenance-free operation, thanks to non-contact measurement
- Optimal monitoring of the filling process at the stockpile

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### VEGAMIP 61

Conveyor belt empty alarm with microwave barrier

- Reliable empty alarm system for conveyor belt
- Long service life, thanks to robust construction
- Unaffected by soiling and buildup

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PRO

PRO

**VEGAPULS 6X**  
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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

**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)