



Reliable

Reliable measurement despite intense noise generation

Cost effective

Uninterrupted operation due to optimal filling

User friendly

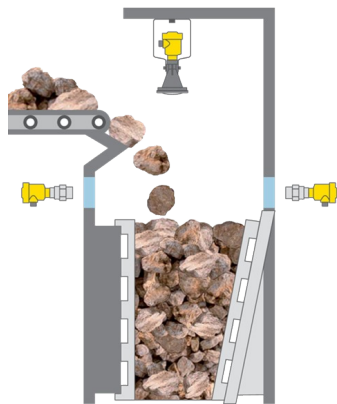
Simple mounting and setup

Crusher

Level measurement and point level detection in the crusher

Large boulders are loosened from the solid bedrock through blasting. Further steps are then required to process the rock into basic building materials such as crushed rock, gravel or sand. The large stones are crushed into different grain sizes by jaw and roller crushers. To enable economic operation and keep wear and tear on the crusher to a minimum, level measurement and limit level detection are required.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar in the crusher

- Reliable measurement, unaffected by strong dust generation and weather conditions
- High reliability ensured by immunity to noise generated by crusher
- Maintenance-free operation using non-contact measuring method

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VEGAMIP 61

Microwave barrier for level detection in the crusher

- Maintenance-free operation with non-contact measurement
- High measurement certainty, even with dust, dirt and buildup present
- Measurement is possible from the outside, right through solid plastic or ceramic windows

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PRO	PRO
VEGAPULS 6X Show Product	VEGAMIP 61 Show Product
	
Measuring range - Distance 120 m	Measuring range - Distance 100 m
Process temperature -196 ... 450 °C	Process temperature -40 ... 80 °C
Process pressure -1 ... 160 bar	Process pressure -1 ... 4 bar
Accuracy ± 1 mm	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
Frequency 6 GHz 26 GHz 80 GHz	
Beam angle ≥ 3°	
Materials, wetted parts PTFE PVDF 316L PP PEEK	Materials, wetted parts PTFE 316L 1.4848 PP
Threaded connection ≥ G¾, ≥ ¾ NPT	Threaded connection G1½, 1½ NPT
Flange connection ≥ DN20, ≥ ¾"	Flange connection ≥ DN50, ≥ 2"
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	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)