



Reliable

Reliable measurement ensured even in noisy environments

Cost effective

Uninterrupted operation thanks to optimal process feed

User friendly

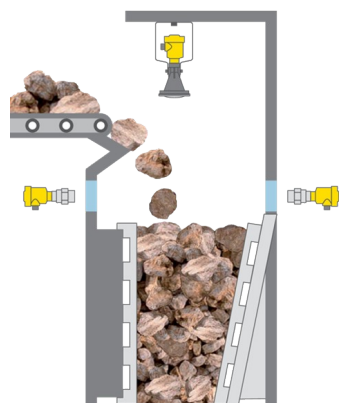
Simple installation and setup

Crusher

Level measurement and point level detection in rock crushers

The large boulders are extracted from the solid bedrock with blasting. This very first stage in the process is needed to enable these very large rocks to be crushed by smaller, secondary jaw and roller crushers, which create the smaller sizes for screening to produce the basic building materials like gravel, grit or sand. To enable efficient, continuous operation and keep wear on the crusher as low as possible, level measurement and point level detection are required.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar in rock crushers

- Reliable measurement and control, independent of extreme dust generation and weather conditions
- Maximum operational reliability through noise insensitivity
- Maintenance-free non-contact measuring method

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VEGAMIP 61

Microwave barrier for point level detection in rock crushers

- Maintenance-free non-contact measuring method
- High measurement certainty despite dirt and buildup
- Even external measurement via solid plastic or ceramic window

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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)