



Reliable

Reliable measurement ensured even in noisy environments

Cost effective

Uninterrupted operation thanks to optimal process feed

User friendly

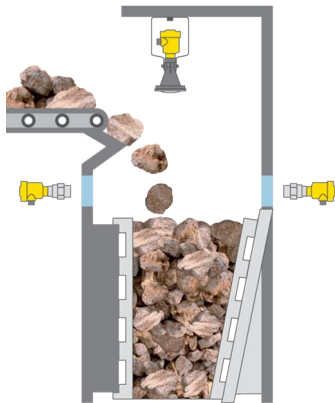
Simple installation and setup

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

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
≥ G $\frac{3}{4}$, ≥ $\frac{3}{4}$ NPT
Flange connection
≥ DN20, ≥ $\frac{3}{4}$ "
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
 Hygienice flange connection ≥ DN50 DIN11864-2
 Hygienic clamp connection ≥ DN50 pipe ø53 - DIN11864-3-A
 DRD connection ø 65 mm
 SMS 1145 DN51

PRO

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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)

VEGA