



### Reliable

Reliable measurement ensured even in noisy environments

### Cost effective

Uninterrupted operation thanks to optimal process feed

### User friendly

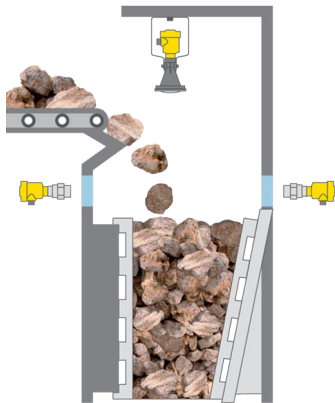
Simple installation and setup

## 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

[Show Product](#)



### 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](#)**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**[Show Product](#)**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)