



#### Reliable

Reliable measurement despite intense noise generation

#### Cost effective

Uninterrupted operation due to optimal filling

#### User friendly

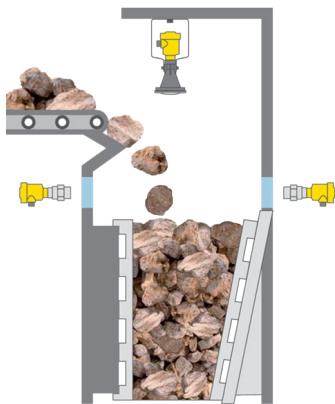
Simple mounting and setup

## 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](#)**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)