



### Reliable

Reliable under all operating conditions

### Cost effective

Maintenance-free operation in the plant

### User friendly

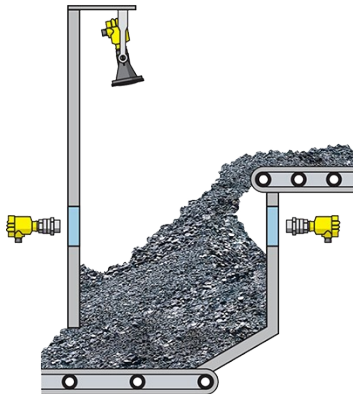
Simple mounting and setup

## Belt transfer station

### Level measurement at the belt transfer station

In a coal power plant, either hard coal or brown coal is burned as the main fuel source. The coal is transported on conveyor belts to the furnace. To avoid backup or overfilling at the belt transfer stations, level controls are necessary. Because only a reliable level measurement at these belt transfer stations can ensure uninterrupted feeding of the furnaces with coal. Additional point level detectors are installed to prevent overfilling.

[More details](#)



### VEGAPULS 6X

The radar sensor monitors the belt transfer station and ensures an uninterrupted feed into the coal bunker

- Non-contact, maintenance-free measurement
- High measurement certainty despite extreme dust generation
- High operational reliability ensured through noise immunity

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### VEGAMIP 61

Point level detection prevents backup at the transfer station

- Non-contact, maintenance-free measurement
- Very long service life and low maintenance requirements through robust design
- Dependable switching point

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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

**VEGAMIP 61**  
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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**
≥ G $\frac{1}{2}$ , ≥  $\frac{1}{2}$  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**