



#### Reliable

Reliable measurement even during filling

#### Cost effective

Optimal operation of the furnace

#### User friendly

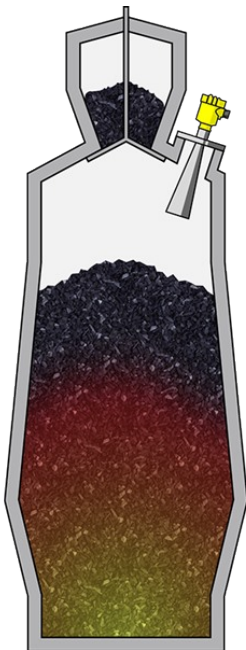
Simple mounting and setup

## Blast furnace

### Level measurement in the blast furnace

Burden (iron-bearing materials) and coke are transported from the bunker to the top of the blast furnace. The charging of the furnace is done via conveyor belts or small aggregate wagons. To ensure an optimal distribution of the burden and coke layers, exact level measurement is required.

[More details](#)



### VEGAPULS 6X

Non-contact level measurement with radar in blast furnaces

- Reliable measurement, independent of dust, material composition and high temperatures
- High measurement certainty even during filling
- Wear and maintenance-free Operation

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**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**

≥ 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