



Reliable

Reliable under all operating conditions

Cost effective

Maintenance-free operation in the plant

User friendly

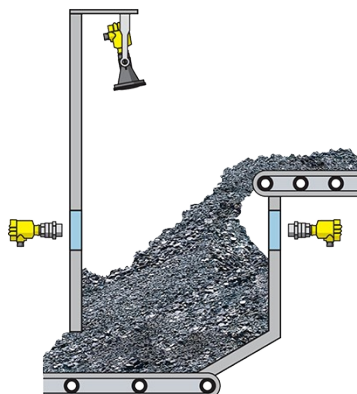
Simple mounting and setup

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	PRO
VEGAPULS 6X Show Product	VEGAMIP 61 Show Product
	
Measuring range - Distance 120 m	Measuring range - Distance 100 m
Process temperature -196 ... 450 °C	Process temperature -40 ... 80 °C
Process pressure -1 ... 160 bar	Process pressure -1 ... 4 bar
Accuracy ± 1 mm	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
Frequency 6 GHz 26 GHz 80 GHz	
Beam angle ≥ 3°	
Materials, wetted parts PTFE PVDF 316L PP PEEK	Materials, wetted parts PTFE 316L 1.4848 PP
Threaded connection ≥ G¾, ≥ ¾ NPT	Threaded connection G1½, 1½ NPT
Flange connection ≥ DN20, ≥ ¾"	Flange connection ≥ DN50, ≥ 2"
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	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)