



Reliable

Reliable monitoring of chain conveyor loading

Cost effective

Optimal plant operation

User friendly

Simple installation without mounting system

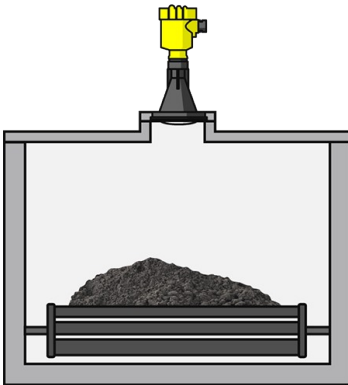
Feed belt to the coal mill

Quantity measurement on the feed belt to the coal mill

To fuel the power plant boilers, chain conveyors must first bring raw coal from the bunkers. Feed belts (distributors) then transport the coal to the coal mill, where it is ground into dust and blown into the boiler.

In order to ensure the fuel supply to the boiler in periods of full load, and especially low load, three redundant measuring systems are employed per feed belt.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar for monitoring the feed belts to the coal mill

- Non-contact, maintenance-free measurement
- Reliable measurement even with small measuring ranges
- High measurement certainty in spite of intense dust generation
- High operational reliability even on high belt speeds

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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