Reliable

Consistent measurement even during filling

Cost effective

Efficient use of the entire container capacity

User friendly

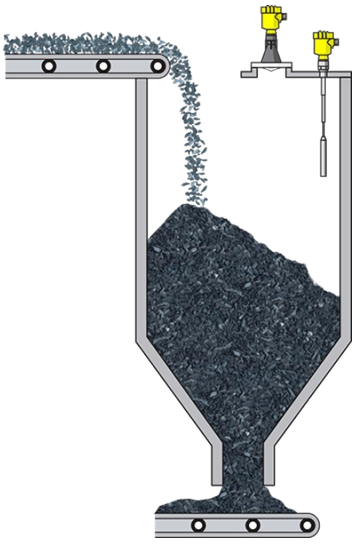
Simple mounting and setup

Coal surge bin I

Level measurement and point level detection in the coal surge bin

In a typical coal power plant, lignite (soft coal) and anthracite (hard coal) are stored temporarily in bins up to 15 meters high. To ensure that the coal belts are continuously loaded without interruption, a robust and reliable level measuring system is required. Additional point level detectors are used to prevent any overfilling of the bins.

More details



VEGAPULS 6X

Non-contact level measurement with radar in the coal surge bins ensures uninterrupted loading of the coal belts

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

Show Product

VEGACAP 65

Robust capacitive sensors for point level detection prevent overfilling in the coal bunkers

- Shortenable probes for high flexibility
- Very long service life and low maintenance due to robust design
- Reliable switching point ensured through large sensing weight

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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
≥ G¾, ≥ ¾ NPT

Flange connection
≥ DN20, ≥ ¾"

Hygenic 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

VEGACAP 65

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Measuring range - Distance
-

Process temperature
-50 ... 200 °C

Process pressure
-1 ... 64 bar

Version
Cable ø 6 mm with screening tube without weight
Cable ø 6 mm with screening tube and gravity weight
Cable ø 6 mm with gravity weight
Cable ø 8 mm with abrasion protection without weight
Cable ø 8 mm with abrasion protection and gravity weight
Cable ø 8 mm with gravity weight
PA cable ø 12 mm with screening tube and gravity weight

Materials, wetted parts
PTFE
316L
PA
PEEK
Steel

Threaded connection
≥ G1, ≥ 1 NPT

Flange connection
≥ DN50, ≥ 2"

Housing material
Plastic
Aluminium
Stainless steel (precision casting)
Stainless steel (electropolished)

Protection rating
IP66/IP68 (0,2 bar)
IP66/IP67
IP66/IP68 (1 bar)

Output
Relay (DPDT)
Contactless electronic switch
Transistor (NPN/PNP)
Two-wire