



Reliable

Reliable measurement even during filling

Cost effective

Reliable measurement of the entire vessel volume

User friendly

Simple mounting and setup

Silo for filter dust

Level measurement and point level detection in the filter dust silo

In power plants, the flue gases are cleaned in several ways. One of them is electrostatic filtering, which efficiently extracts large amounts of dust from the gases. This material is collected in a silo and further processed. Level measuring instruments and level detectors are used to monitor the silo.

[More details](#)



VEGAPULS 6X

The radar instrument monitors the level in the silo and allows the disposal of the material to be optimally planned

- High plant availability thanks to wear and maintenance-free measuring instrument
- Non-contact measurement; unaffected by steam, dust and noise
- Ideal for measurement of bulk solids in high silos and bunkers

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VEGACAP 65

Capacitive sensors for level detection in the ash silo prevent overfilling

- Lower costs due to rugged construction and minimal servicing requirements
- Large gravity weight ensures reliable switching point
- Great flexibility thanks to shortenable probe, thus ideal for bulk solids

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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"

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

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