



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	PRO
VEGAPULS 6X Show Product	VEGACAP 65 Show Product
	
Measuring range - Distance 120 m	Measuring range - Distance -
Process temperature -196 ... 450 °C	Process temperature -50 ... 200 °C
Process pressure -1 ... 160 bar	Process pressure -1 ... 64 bar
Accuracy ± 1 mm	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
Frequency 6 GHz 26 GHz 80 GHz	Materials, wetted parts PTFE 316L PA PEEK Steel
Beam angle ≥ 3°	Threaded connection ≥ G1, ≥ 1 NPT
Materials, wetted parts PTFE PVDF 316L PP PEEK	Flange connection ≥ DN50, ≥ 2"
Threaded connection ≥ G¾, ≥ ¾ NPT	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
Flange connection ≥ DN20, ≥ ¾"	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)
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	Output Relay (DPDT) Contactless electronic switch Transistor (NPN/PNP) Two-wire