



Conveyor belt transfer station

- Reliable
- Reliable monitoring of silo filling
- Cost effective
- Optimal utilization of conveyor belt capacity
- User friendly
- Maintenance-free operation

Level measurement and point level detection at the belt transfer point

The transport of coarse and fine bulk solids within a stone processing facility takes place in most cases via conveyor belts. To achieve an even throughput and compensate for volume fluctuations during transport, belt transfer points are integrated in the conveyor line. The incoming bulk material is briefly stored in a buffer silo to prevent belt overfilling. This is the point where the level and the point level must be monitored.



VEGAPULS 69

Non-contact level measurement with radar at the belt transfer station

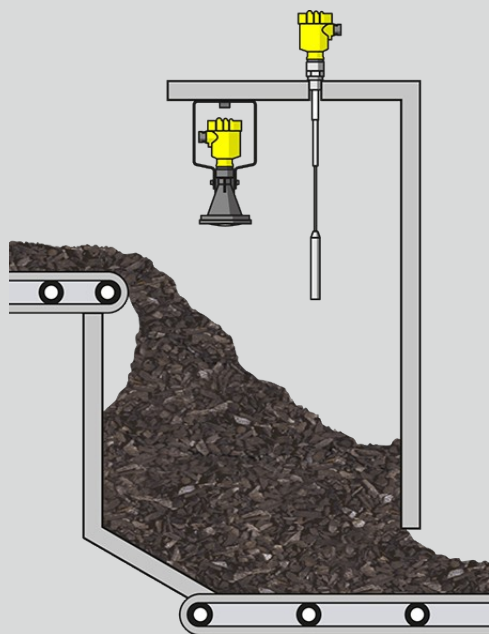
- Highly reliable even in dusty environments
- Maintenance-free non-contact measurement
- Maximum operational reliability due to noise insensitivity



VEGACAP 65

Overflow protection with capacitive point level detection at the belt transfer station

- Reliable measuring results, unaffected by buildup
- Dependable switching point ensured by large gravity weight
- Long service life thanks to robust, cut to length cable probe





VEGAPULS 69	VEGACAP 65
Measuring range - Distance 120 m	Process temperature -50 ... 200 °C
Process temperature -40 ... 200 °C	Process pressure -1 ... 64 bar
Process pressure -1 ... 20 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
Accuracy ± 5 mm / ± 0.2"	Materials, wetted parts PTFE 316L PA PEEK Steel
Frequency 80 GHz	Threaded connection ≥ G1, ≥ 1 NPT
Beam angle ≥ 3,5°	Flange connection ≥ DN50, ≥ 2"
Version with plastic horn antenna ø 80 mm Metal jacketed lens antenna	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
Materials, wetted parts 316L PP PEEK	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)
Threaded connection G1½, 1½ NPT	Output Relay (DPDT) Contactless electronic switch Transistor (NPN/PNP) Two-wire
Flange connection ≥ DN80, ≥ 3"	Ambient temperature -40 ... 80 °C