

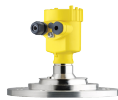


## Large storage silos

- Reliable
- Reliable measurement even in dusty and noisy environments
- Cost effective
- Optimal filling of the silos
- User friendly
- Maintenance-free operation

### Level measurement and point level detection in large storage silos

To ensure continuous production, even if material production is interrupted, the raw materials are stored in large bunkers with heights of over 30 m and diameters of up to 20 m. The large dimensions of the silos require the filling and emptying to take place at multiple points. Uniform filling and emptying of the bunkers is achieved through level measurement at various points in the bunker.



#### VEGAPULS 69

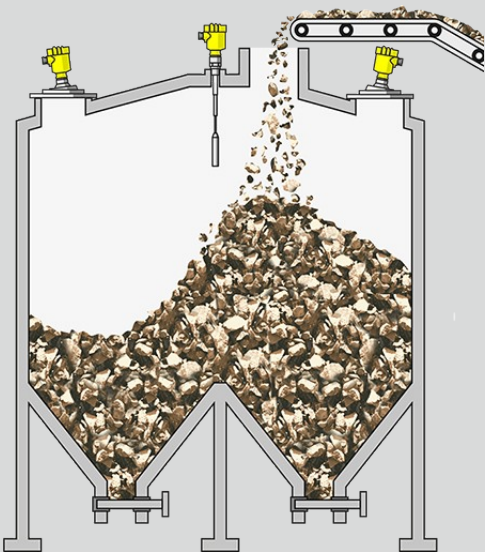
Non-contact level measurement with radar in large silos

- Maximum operational reliability thanks to noise insensitivity
- Measurement not affected by dust, abrasion or product moisture content
- Easy aligning of the measurement with integrated swivel mount and app for smartphones

#### ▫ VEGACAP 65

Capacitive point level detection in large silos

- Long service life thanks to robust and adjustable cable probe
- Reliable measuring results, unaffected by buildup
- Simple installation and Setup





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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"	
Frequency 80 GHz	
Beam angle ≥ 3,5°	
Version with plastic horn antenna ø 80 mm Metal jacketed lens antenna	Materials, wetted parts PTFE 316L PA PEEK Steel
Materials, wetted parts 316L PP PEEK	Threaded connection ≥ G1, ≥ 1 NPT
Threaded connection G1½, 1½ NPT	Flange connection ≥ DN50, ≥ 2"
Flange connection ≥ DN80, ≥ 3"	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
	Ambient temperature -40 ... 80 °C