

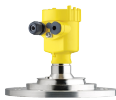


Mixing tower

- Reliable
- Reliable measurement in all types of media
- Cost effective
- Optimal material storage
- User friendly
- Maintenance-free operation

Level measurement and point level detection in mixing towers

Materials such as concrete and mortar are needed in widely different compositions depending on the application. The various raw materials are stored in segmented towers, which then blend cement, lime and other aggregates according to specific requirements. In each individual segment, reliable level measurement and point level detection ensure the constant availability of the raw materials and cost-effective operation of the plant.



VEGAPULS 69

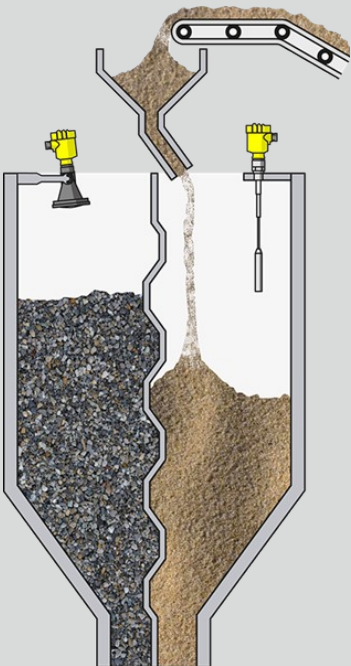
Radar sensor for non-contact level measurement in mixing towers

- Easy alignment of the measuring instrument thanks to integrated swivel mount and app for smartphones
- Reliable measurement in spite of dust, noise and internal structures
- Wear and maintenance-free, ensures continuous operation of the plant

▫ VEGACAP 65

Point level detection with capacitive probe in mixing towers

- Reliable measurement despite buildup and dust
- Long service life thanks to robust construction
- Simple installation and setup





□

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