



Reliable

Reliable measurement in all types of media

Cost effective

Optimal material storage

User friendly

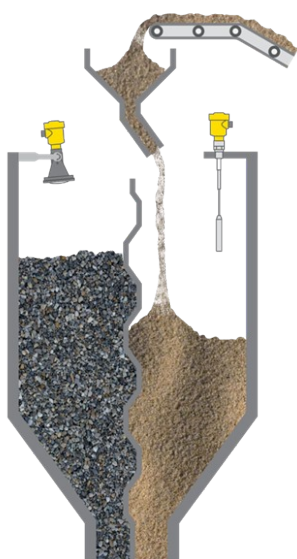
Maintenance-free operation

Mixing tower

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.

[More details](#)



VEGAPULS 6X

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

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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

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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