



#### Reliable

Reliable measurement in all types of media

#### Cost effective

Optimal material storage

#### User friendly

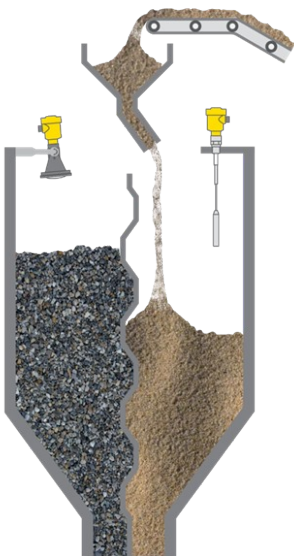
Maintenance-free operation

## 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

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**Measuring range - Distance**  
120 m

**Process temperature**  
-196 ... 450 °C

**Process pressure**  
-1 ... 160 bar

**Accuracy**  
± 1 mm

**Frequency**  
6 GHz  
26 GHz  
80 GHz

**Beam angle**  
≥ 3°

**Materials, wetted parts**  
PTFE  
PVDF  
316L  
PP  
PEEK

**Threaded connection**  
≥ G¾, ≥ ¾ NPT

**Flange connection**  
≥ DN20, ≥ ¾"

**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

### VEGACAP 65

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**Measuring range - Distance**  
-

**Process temperature**  
-50 ... 200 °C

**Process pressure**  
-1 ... 64 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

**Materials, wetted parts**  
PTFE  
316L  
PA  
PEEK  
Steel

**Threaded connection**  
≥ G1, ≥ 1 NPT

**Flange connection**  
≥ DN50, ≥ 2"

**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