



#### Reliable

Reliable measurement enables a continuous supply of material to the furnace

#### Cost effective

Non-contact measurement, long service life

#### User friendly

Blockage detection makes additional monitoring superfluous

## Silo for crushed glass

### Level measurement and point level detection in the crushed glass, or cullet, silo

Glass is made of quartz sand, lime and soda, which are melted together at extremely high temperatures up to 1600 °C. This melting process is very energy intensive and for that reason, more easily melted waste glass is also often added into the mix. After delivery, the waste glass is first crushed and freed from impurities. The material, known as cullet, is then transported and filled into a silo, where it is fed to the melting process. To ensure a continuous supply of material to the furnace, a reliable level measurement in the cullet silo is required.

#### More details



#### VEGAMIP 61

Backup detection with microwave barrier in filling pipe

- Ceramic adapter ensures long service life of instrument
- Simple measurement outside the container
- Simple adjustment without external setup Tools

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#### VEGAPULS 6X

Level measurement with radar in the cullet silo

- Reliable measurement, even under difficult conditions
- No mechanical wear thanks to non-contact measurement
- Easy mounting and setup thanks to installation from above

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**VEGAMIP 61**  
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**Measuring range - Distance**  
 100 m

**Process temperature**  
 -40 ... 80 °C

**Process pressure**  
 -1 ... 4 bar

**Version**  
 hygienically encapsulated horn antenna  
 for separate horn antenna  
 with horn antenna ø 40 mm  
 with horn antenna ø 48 mm  
 with horn antenna ø 75 mm  
 with horn antenna ø 95 mm  
 with plastic horn antenna ø 80 mm  
 Horn antenna ø 1½"  
 with encapsulated horn antenna

**Materials, wetted parts**  
 PTFE  
 316L  
 1.4848  
 PP

**Threaded connection**  
 G1½, 1½ NPT

**Flange connection**  
 ≥ DN50, ≥ 2"

**Hygienic fittings**  
 Slotted nut ≥ 2", DN50 - DIN 11851  
 Varivent ≥ DN25  
 DRD connection ø 65 mm  
 for NEUMO BioControl D50 PN16 / 316L

**Seal material**  
 FKM  
 FFKM

**Housing material**  
 Plastic  
 Aluminium  
 Stainless steel (precision casting)  
 Stainless steel (electropolished)

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