



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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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)

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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