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"

Hygenic 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"

Hygenic 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
Hygienice flange connection ≥ DN50 DIN11864-2
Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-3-A
DRD connection ø 65 mm
SMS 1145 DN51