



Reliable

Reliable measurement for control of production and delivery

Cost effective

Optimal utilization of the silo volume

User friendly

Measured value display and convenient adjustment via external display and control unit

Plastic granule silo

Level measurement of plastic granule silo

Complete plastic windows can be recycled by means of a special process. The recycling process results in a final product of high-quality, pure-grade PVC granules, which serve as a raw material for new windows. It is stored in large silos that are fitted with tubes for uniform colour mixing. For optimal control of production and supply, the contents of the silo have to be determined, which is usually via level measurement.

[More details](#)



VEGAPULS 6X

Non-contact level measurement with radar in the plastic granule silo

- Reliable measurement, even under difficult conditions
- No mechanical wear with non-contact measurement
- High accuracy, even on poor reflectivity media

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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