



Reliable

Non-contact measurement, no wear and tear

Cost effective

One sensor for all silo heights

User friendly

Integrated cleaning system

Flour silo

Level measurement in the flour silo

The different varieties of flour are most often stored in tall silos with very narrow chambers. Filling takes place regularly and is done pneumatically from the top. In order to produce the desired blend of different varieties at any time, a reliable level measurement in the individual silos is essential, even during filling. The process challenges include dust generation, strong air movement and a poorly reflecting product surface.

[More details](#)



VEGAPULS 6X

Non-contact radar level measurement in the flour silo

- Reliable measurement, unaffected by dust generation and pneumatic filling
- Dependable function despite different bulk geometries
- Optional swivel mount for optimal orientation to the product surface

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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