



Silos for bulk solids

Reliable

Reliable measurement, independent of media properties and container geometry

Cost effective

Maintenance-free operation

User friendly

Universally applicable for almost all bulk solids

Level measurement and point level detection in silos

In the chemical industry, many different kinds of bulk solids are produced or used as raw materials. To ensure reliable measurement of silo contents, many factors must be considered: different bulk densities, abrasive properties, dust generation and the requirements of explosion protection. Implementation of the most suitable level sensors ensures optimal production planning and reliable logistics for the finished products.



VEGAPULS 69

Non-contact radar level measurement in bulk solids silos

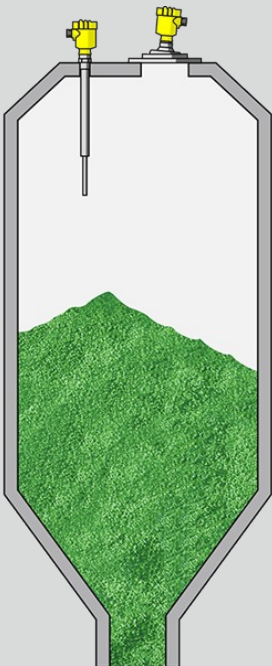
- Reliable measurement even with large amounts of dust and filling noise
- Suitable even for high, narrow silos or segmented containers, thanks to good signal focusing
- Can be used in media of differing consistency and in different measuring ranges
- Simple installation and calibration, even on filled silos



VEGAVIB 63

Point level detection with vibrating level switches in bulk solids silos

- Universally applicable for all granulated bulk solids
- Wear and maintenance-free measurement
- Simple, adjustment-free setup and commissioning





VEGAPULS 69	VEGAVIB 63
Measuring range - Distance 120 m	Process temperature -50 ... 250 °C
Process temperature -40 ... 200 °C	Process pressure -1 ... 16 bar
Process pressure -1 ... 20 bar	Version Detection of solids in water with tube extension
Accuracy ± 5 mm / ± 0.2"	Materials, wetted parts 316L
Frequency 80 GHZ	Threaded connection ≥ G1, ≥ 1 NPT
Beam angle ≥ 3,5°	Flange connection ≥ DN 32, ≥ 1½"
Version with plastic horn antenna ø 80 mm Metal jacketed lens antenna	Hygienic fittings Slotted nut ≥ 1½", ≥ DN40 - DIN 11851 Slotted nut ≥ 2", DN50 - DIN 11851 Varivent ≥ DN32 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A Clamp ≥ 3½" , DN80 - DIN32676, ISO2852 Slotted nut ≥ 3", DN65 - DIN 11851 Hyg. collar clamp adapter DN40PN40 DIN11864-3-A
Materials, wetted parts 316L PP PEEK	Seal material no media contact
Threaded connection G1½, 1½ NPT	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
Flange connection ≥ DN80, ≥ 3"	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)