

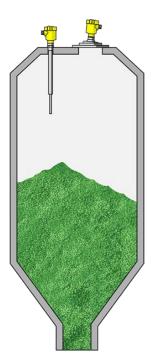


## Reliable

Reliable measurement, independent of media properties and container geometry

Cost effective Maintenance-free operation

User friendly Universally applicable for almost all bulk solids



# Silos for 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.

## More details



## **VEGAPULS 6X**

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

## **Show Product**

#### **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

### **Show Product**



PRO	PRO
VEGAPULS 6X Show Product	VEGAVIB 63 Show Product
<b>Measuring range - Distance</b> 120 m	Process temperature -50 250 °C
Process temperature -196 450 °C	Process pressure         -1 16 bar         Version         Detection of solids in water         with tube extension         Materials, wetted parts         316L         Threaded connection $\geq$ G1, $\geq$ 1 NPT
Process pressure -1 160 bar	
Accuracy ± 1 mm	
Frequency 6 GHz 26 GHz 80 GHz	
Beam angle ≥ 3°	Flange connection ≥ DN 32, ≥ 1½"
Materials, wetted parts PTFE PVDF 316L PP PEEK	<ul> <li>Hygenic fittings</li> <li>Slotted nut ≥ 1½", ≥ DN40 - DIN 11851</li> <li>Slotted nut ≥ 2", DN50 - DIN 11851</li> <li>Varivent ≥ DN32</li> <li>hygienic fitting with tension flange DN32</li> <li>hygienic fitting F40 with compression nut</li> <li>Hygienic screw connections ≥ DN50 tube ø53 -</li> <li>DIN11864-1-A</li> <li>Clamp ≥ 3½", DN80 - DIN32676, ISO2852</li> <li>Slotted nut ≥ 3", DN65 - DIN 11851</li> <li>Hyg. collar clamp adapter DN40PN40 DIN11864-3-A</li> </ul>
Threaded connection ≥ G¾, ≥ ¾ NPT	
Flange connection ≥ DN20, ≥ ¾"	Seal material
Hygenic fittings         Clamp ≥ $1/2^{"}$ - 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 clamp connection ≥ DN50 DIN11864-2         Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-3-A         DRD connection ø 65 mm         SMS 1145 DN51	no media contact Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished) Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)

