

### Reliable

Reliable measurement even in dusty and noisy environments

Cost effective Optimal filling of the silos

User friendly Maintenance-free operation

# Large storage silos

# Level measurement and point level detection in large storage silos

To ensure continuous production, even if material production is interrupted, the raw materials are stored in large bunkers with heights of over 30 m and diameters of up to 20 m. The large dimensions of the silos require the filling and emptying to take place at multiple points. Uniform filling and emptying of the bunkers is achieved through level measurement at various points in the bunker.

#### More details



## **VEGAPULS 6X**

Non-contact level measurement with radar in large silos

- Maximum operational reliability thanks to noise insensitivity
- Measurement not affected by dust, abrasion or product moisture content
- Easy aligning of the measurement with integrated swivel mount and app for smartphones

# Show Product

# **VEGACAP 65**

Capacitive point level detection in large silos

- Long service life thanks to robust and adjustable cable probe
- Reliable measuring results, unaffected by buildup
- Simple installation and Setup

# **Show Product**



PRO	PRO
VEGAPULS 6X	VEGACAP 65
Show Product	Show Product
Measuring range - Distance	Measuring range - Distance
120 m	-
Process temperature	Process temperature
-196 450 °C	-50 200 °C
Process pressure	Process pressure
-1 160 bar	-1 64 bar
Accuracy ± 1 mm	Version         Cable Ø 6 mm with screening tube without weight         Cable Ø 6 mm with screening tube and gravity weight         Cable Ø 6 mm with gravity weight         Cable Ø 8 mm with abrasion protection without weight         Cable Ø 8 mm with abrasion protection and gravity weight         Cable Ø 8 mm with gravity weight         Cable Ø 8 mm with abrasion protection and gravity weight         Cable Ø 8 mm with gravity weight         PA cable Ø 12 mm with screening tube and gravity weight
Frequency 6 GHz 26 GHz 80 GHz	
Beam angle ≥ 3°	Materials, wetted parts
Materials, wetted parts	PTFE
PTFE	316L
PVDF	PA
316L	PEEK
PP	Steel
PEEK Threaded connection	Threaded connection ≥ G1, ≥ 1 NPT
≥ G¾, ≥ ¼ NPT	Flange connection
Flange connection	≥ DN50, ≥ 2"
≥ DN20, ≥ ¾"	Housing material Plastic
Hygenic fittings Clamp ≥ 1½" - DIN32676, ISO2852 Slotted nut ≥ 2", DN50 - DIN 11851 Varivent ≥ DN25	Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
hygienic fitting with tension flange DN32	Protection rating
hygienic fitting F40 with compression nut	IP66/IP68 (0,2 bar)
Hygienic screw connections ≥ DN50 tube ø53 -	IP66/IP67
DIN11864-1-A	IP66/IP68 (1 bar)
Hygienice flange connection ≥ DN50 DIN11864-2	Output
Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-	Relay (DPDT)
3-A	Contactless electronic switch
DRD connection ø 65 mm	Transistor (NPN/PNP)
SMS 1145 DN51	Two-wire

