



Reliable

Reliable measurement, even in abrasive media

Cost effective

Standard sensors for all applications

User friendly

Simple setup and low maintenance

Storage silo for sugar and flour

Level and pressure measurement in storage silos

Flour and sugar are the basic ingredients for many food products and stored in silos up to 20 metres high. The filling and emptying is often performed by pneumatic systems that transport the media from the large external silos and deposit them in smaller holding vessels for further processing. The filling and emptying processes are controlled by reliable level measurement. Pressure monitoring is also needed in the pneumatic conveying pipelines.

[More details](#)



VEGAPULS 6X

Radar sensor for level measurement in the flour and sugar silos

- Precise focusing of the measurement signal, which means convenient installation almost anywhere on the silo roof is possible
- Accurate, reliable measurement data despite dust and noise
- Measurement even during filling, thereby ensuring continuous monitoring of the filling process via a control system

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VEGABAR 82

Pressure transmitter for monitoring pressure in the conveyor pipeline

- Wear-resistant CERTEC® ceramic measuring cell, insensitive to abrasion
- Maintenance-free through front-flush mounting
- Robust measuring cell for long service life

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PRO

VEGAPULS 6X
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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

PRO

VEGABAR 82
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Measuring range - Distance
 -

Measuring range - Pressure
 -1 ... 100 bar

Process temperature
 -40 ... 150 °C

Process pressure
 -1 ... 100 bar

Accuracy
 0.05 %

Materials, wetted parts
 PVDF
 316L
 Alloy C22 (2.4602)
 PP
 1.4057
 1.4410
 Alloy C276 (2.4819)
 Duplex (1.4462)
 Titanium Grade 2 (3.7035)

Threaded connection
 ≥ G½, ≥ ½ NPT

Flange connection
 ≥ DN15, ≥ ½"

Hygienic fittings
 Clamp ≥ 1" - DIN32676, ISO2852
 Slotted nut ≥ DN25 - DIN 11851
 hygienic fitting with tension flange DN32
 hygienic fitting F40 with compression nut
 DRD connection ø 65 mm
 SMS 1145 DN51
 SMS DN38
 Swagelok VCR screwing
 Varivent G125
 Varivent N50-40
 for NEUMO BioControl D50 PN16 / 316L

Seal material
 EPDM
 FKM
 FFKM