



#### 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