



#### Reliable

Certified materials according to FDA and EC 1935/2004 regulations

#### Cost effective

Maintenance-free and easy to adjust

#### User friendly

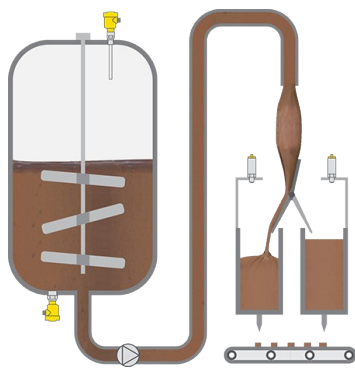
Exact measurement data despite rapidly changing liquid level

## Chocolate storage tank

### Level measurement and point level detection in chocolate storage tanks with agitator

After the "conching" process the liquid chocolate is kept in large tanks for further processing. An agitator stirs the chocolate "mass" to maintain a uniform consistency and temperature in the vessel. A reliable level measurement is required in both the chocolate tank and the downstream filler hoppers to control the production process.

[More details](#)



#### VEGABAR 82

Pressure transmitter for level measurement in chocolate storage tank

- Absolutely front-flush hard wearing ceramic diaphragm prevents sticking and abrasion damage
- High, long-term stability thanks to ceramic CERTEC® measuring cell
- Reliable measurement, unaffected by agitator

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#### VEGACAP 63

Capacitive level switch as overflow protection in chocolate storage tank

- Insensitive to heavy buildup or consistency and temperature of the liquid chocolate
- Uncomplicated installation, easy setup and commissioning
- Reliable detection through product-independent switching point

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#### VEGAPULS 42


Compact radar sensor for continuous level measurement in the portioning container

- Non-contact measurement, immune to abrasion and buildup
- Small compact design simplifies mounting
- Small blocking distance (dead band) enables reliable measurement in small containers

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PRO
<b>VEGABAR 82</b> <a href="#">Show Product</a>

<b>Measuring range - Distance</b> -
<b>Measuring range - Pressure</b> -1 ... 100 bar
<b>Process temperature</b> -40 ... 150 °C
<b>Process pressure</b> -1 ... 100 bar
<b>Accuracy</b> 0.05 %
<b>Materials, wetted parts</b> PVDF 316L Alloy C22 (2.4602) PP 1.4057 1.4410 Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035)
<b>Threaded connection</b> ≥ G½, ≥ ½ NPT
<b>Flange connection</b> ≥ DN15, ≥ ½"
<b>Hygienic fittings</b> 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
<b>Seal material</b> EPDM FKM FFKM

PRO
<b>VEGACAP 63</b> <a href="#">Show Product</a>

<b>Measuring range - Distance</b> -
<b>Process temperature</b> -50 ... 200 °C
<b>Process pressure</b> -1 ... 64 bar
<b>Version</b> PE insulation PE insulation and concentric tube PTFE insulation PTFE insulation with screening tube PN1 PTFE insulation with screening tube PN16 PTFE insulation with screening tube PN40 PTFE insulation and concentric tube
<b>Materials, wetted parts</b> PTFE 316L Alloy C22 (2.4602) Alloy 400 (2.4360) PE Steel C22.8
<b>Threaded connection</b> ≥ G½, ≥ ½ NPT
<b>Flange connection</b> ≥ DN25, ≥ 1"
<b>Seal material</b> no media contact
<b>Housing material</b> Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
<b>Protection rating</b> IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)

BASIC
<b>VEGAPULS 42</b> <a href="#">Show Product</a>

<b>Measuring range - Distance</b> 15 m
<b>Process temperature</b> -40 ... 130 °C
<b>Process pressure</b> -1 ... 16 bar
<b>Accuracy</b> ± 2 mm
<b>Frequency</b> 80 GHz
<b>Beam angle</b> ≥ 12°
<b>Materials, wetted parts</b> PTFE 316L PEEK
<b>Threaded connection</b> ≥ G¾, ≥ ¾ NPT
<b>Hygienic fittings</b> Universal connection G1" for hygiene adapter
<b>Seal material</b> EPDM FKM