



Reliable

Certified materials according to FDA and EC 1935/2004 regulations

Cost effective

Maintenance-free and easy to adjust

User friendly

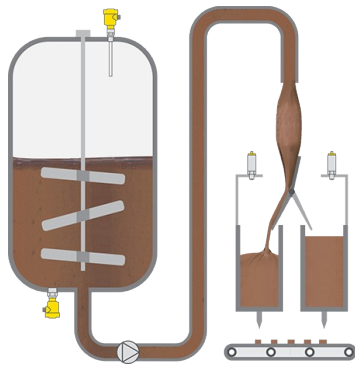
Exact measurement data despite rapidly changing liquid level

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	PRO	BASIC
VEGABAR 82 Show Product	VEGACAP 63 Show Product	VEGAPULS 42 Show Product
		
Measuring range - Distance -	Measuring range - Distance -	Measuring range - Distance 15 m
Measuring range - Pressure -1 ... 100 bar	Process temperature -50 ... 200 °C	Process temperature -40 ... 130 °C
Process temperature -40 ... 150 °C	Process pressure -1 ... 64 bar	Process pressure -1 ... 16 bar
Process pressure -1 ... 100 bar	Version 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	Accuracy ± 2 mm
Accuracy 0.05 %	Materials, wetted parts PTFE 316L Alloy C22 (2.4602) Alloy 400 (2.4360) PE Steel C22.8	Frequency 80 GHz
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	Beam angle ≥ 12°
Threaded connection ≥ G½, ≥ ½ NPT	Threaded connection ≥ G½, ≥ ½ NPT	Materials, wetted parts PTFE 316L PEEK
Flange connection ≥ DN15, ≥ ½"	Threaded connection ≥ G½, ≥ ½ NPT	Threaded connection ≥ G¾, ≥ ¾ NPT
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	Flange connection ≥ DN25, ≥ 1"	Hygienic fittings Universal connection G1" for hygiene adapter
Seal material EPDM FKM FFKM	Seal material no media contact	Seal material EPDM FKM
	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	
	Protection rating IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)	