

#### Reliable

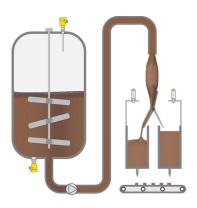
Certified materials according to FDA and EC 1935/2004 regulations

#### 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

#### **Show Product**



#### **VEGACAP 63**

Capacitive level switch as overfill 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

#### **Show Product**



#### **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

#### **Show Product**



### VEGABAR 82 Show Product



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"

Hygenic 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

VEGACAP 63
Show Product



Measuring range - Distance

-

Process temperature

-50 ... 200 °C

Process pressure

-1 ... 64 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

Materials, wetted parts

PTFE

316L

Alloy C22 (2.4602)

Alloy 400 (2.4360)

PE

Steel C22.8

Threaded connection

≥ G½, ≥ ½ NPT

Flange connection

≥ DN25, ≥ 1"

Seal material

no media contact

Housing material

Plastic

Aluminium

Stainless steel (precision casting)

Stainless steel (electropolished)

Protection rating

IP66/IP68 (0,2 bar)

IP66/IP67

IP66/IP68 (1 bar)

**VEGAPULS 42 Show Product** 

Measuring range - Distance

15 m

Process temperature

-40 ... 130 °C

Process pressure

-1 ... 16 bar

Accuracy

±2 mm

Frequency 80 GHz

Beam angle

≥ 12°

Materials, wetted parts

PTFE

316L

PEEK

Threaded connection

≥ G¾, ≥ ¾ NPT

Hygenic fittings

Universal connection G1" for hygiene adapter

Seal material

EPDM

FKM

