



Reliable

Certified materials according to FDA and EC 1935/2004 regulations

Cost effective

Maintenance-free and easy to adjust

User friendly

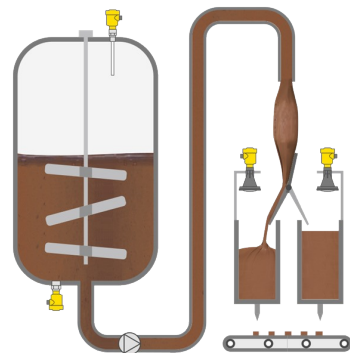
Exact measurement data despite rapidly changing liquid level

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 6X

Radar sensor for level control of chocolate in filler hoppers

- 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

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

PRO

VEGACAP 63
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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)

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