



Reliable

Certified materials according to FDA and EC 1935/2004 regulations

Cost effective

Short delivery time and standardized operation thanks to plics® concept

User friendly

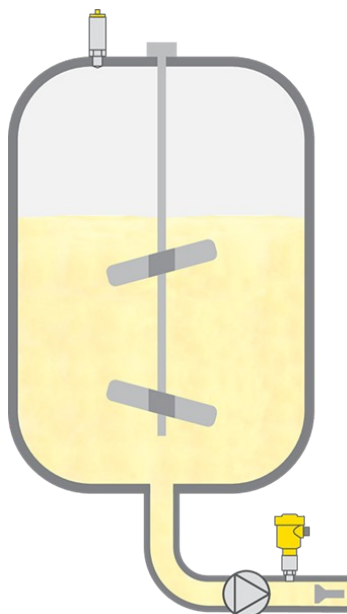
Simple installation due to small dimensions

Ice cream "Premix" mixer

Level and pressure measurement during the mixing of ice cream ingredients

The ingredients for making ice cream are accurately weighed and fed into a mixing tank, where the "premix" is made. Afterwards, the premix is passed through the homogenizer at a pressure of about 140 bar and then pasteurized at 80 °C. The level in the premix vessel and the pressure in the pipeline leading to the homogenizer need to be continuously monitored to ensure continuous ice cream production.

[More details](#)



VEGAPULS 42

Continuous level measurement with radar in the "premix"

- Non-contact measurement, independent of agitators due to tight focussing, even in the smallest of containers
- Compact design allows installation even in very small vessels
- Reliable measurement, immune to the formation of condensation

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VEGABAR 83

Pressure transmitter for monitoring pressure in a homogenizer

- Robust diaphragm easily handles high pressures
- Resistant to vacuum during the cleaning cycle

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BASIC

PRO

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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
≥ G $\frac{3}{4}$, ≥ $\frac{3}{4}$ NPT

Hygienic fittings
Universal connection G1" for hygiene adapter

Seal material
EPDM
FKM

VEGABAR 83
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Measuring range - Distance
-

Measuring range - Pressure
-1 ... 1000 bar

Process temperature
-40 ... 200 °C

Process pressure
-1 ... 1000 bar

Accuracy
0.075 %

Materials, wetted parts
316L
Alloy C22 (2.4602)
316Ti (1.4571)
Alloy C4 (2.4610)

Threaded connection
≥ G $\frac{1}{2}$, ≥ $\frac{1}{2}$ NPT

Flange connection
≥ DN25, ≥ 1"

Hygienic fittings
Slotted nut ≥ DN25 - DIN 11851
Varivent ≥ DN25
hygienic fitting with tension flange DN32
Hygienice flange connection ≥ DN50 DIN11864-2
SMS 1145 DN51
SMS DN38
Hygienic fittings ≥ DN33 - DIN11864-1-A
Hyg. collar clamp adapter DN40PN40 DIN11864-3-A
Hyg. clamp connection DIN11864-3-A; DN50 Rohr ø53
Swagelok VCR screwing
Varivent G125

Seal material
no media contact