



**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**

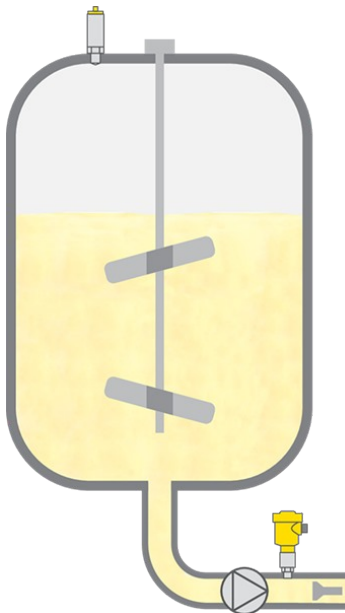
Simple installation due to small dimensions

## 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

[Show Product](#)



### 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

**VEGAPULS 42**  
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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**  
≥ G¾, ≥ ¾ NPT

**Hygienic fittings**  
Universal connection G1" for hygiene adapter

**Seal material**  
EPDM  
FKM

**VEGABAR 83**  
[Show Product](#)


**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**  
≥ G½, ≥ ½ NPT

**Flange connection**  
≥ DN25, ≥ 1"

**Hygienic fittings**  
Slotted nut ≥ DN25 - DIN 11851  
Varivent ≥ DN25  
hygienic fitting with tension flange DN32  
Hygienic 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