



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

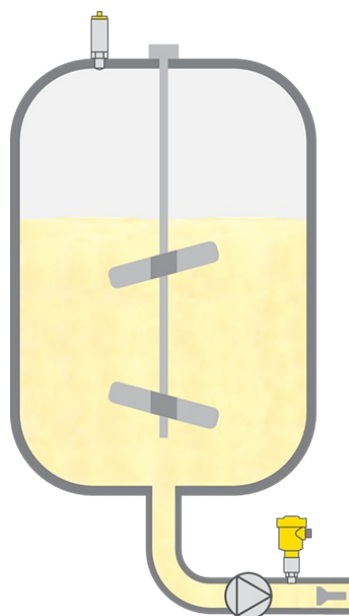
Simple installation due to small dimensions

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
VEGAPULS 42 Show Product	VEGABAR 83 Show Product
	
Measuring range - Distance 15 m	Measuring range - Distance -
Process temperature -40 ... 130 °C	Measuring range - Pressure -1 ... 1000 bar
Process pressure -1 ... 16 bar	Process temperature -40 ... 200 °C
Accuracy ± 2 mm	Process pressure -1 ... 1000 bar
Frequency 80 GHz	Accuracy 0.075 %
Beam angle ≥ 12°	Materials, wetted parts 316L Alloy C22 (2.4602) 316Ti (1.4571) Alloy C4 (2.4610)
Materials, wetted parts PTFE 316L PEEK	Threaded connection ≥ G½, ≥ ½ NPT
Threaded connection ≥ G¾, ≥ ¾ NPT	Flange connection ≥ DN25, ≥ 1"
Hygienic fittings Universal connection G1" for hygiene adapter	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 EPDM FKM	Seal material no media contact