



#### 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

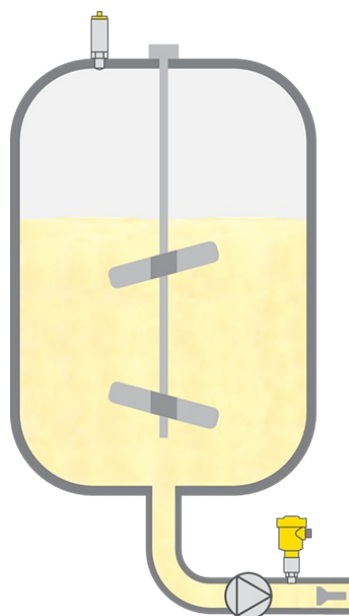
Simple installation due to small dimensions

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