



Stirring and batching tank for yoghurt

Reliable

Certified materials according to FDA and EC 1935/2004 regulations

Cost effective

plics® concept ensures short delivery times

User friendly

Standardised operation of all instruments thanks to plics® concept

Level measurement and point level detection in stirred batching tank for fruit yoghurt

The milk lactose is converted to lactic acid under controlled heating in stirring and batching tanks. This process thickens the milk to yoghurt and gives it its sourish taste. The resulting product is then cooled down. In further processing into a fruit based yoghurt, berries, nuts or grains are added and stirred in. The level and point level detection must be reliably detected to enable optimal filling of the vessel.



VEGAPULS 64

Level measurement with radar in yoghurt stirring and batching tank

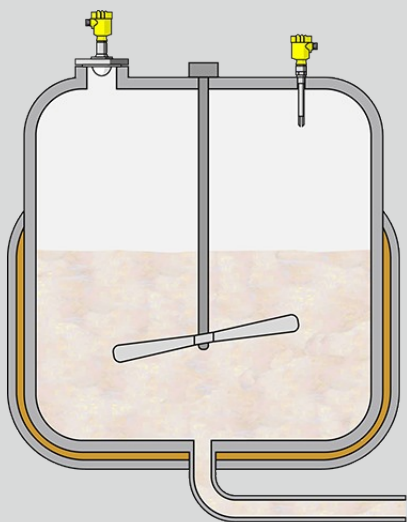
- Non-contact tight focused measurement, unaffected by agitators
- Flange with encapsulated antenna system allows optimal CIP and SIP cleaning
- Reliable volume measurement, independent of changing medium density



VEGASWING 63

Vibrating level switch as overflow protection in stirring and batching tank

- Product-independent switching point enables accurate and reliable control
- Stainless steel tuning fork unaffected by cleaning processes, abrasion and buildup





| VEGAPULS 64 | VEGASWING 63 |
|--|--|
| Measuring range - Distance 30 m | Process temperature -50 ... 250 °C |
| Process temperature -196 ... 200 °C | Process pressure -1 ... 64 bar |
| Process pressure -1 ... 25 bar | Version Standard Hygienic applications with gas-tight leadthrough with tube extension with temperature adapter |
| Accuracy ± 1 mm | Materials, wetted parts PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) ECTFE Enamel |
| Frequency 80 GHz | Threaded connection ≥ G¾, ≥ ¾ NPT |
| Beam angle ≥ 3° | Flange connection ≥ DN25, ≥ 1" |
| Version with plastic horn antenna ø 80 mm Thread with integrated horn antenna Flange with encapsulated antenna system Hygienic fitting with encapsulated antenna system | Hygienic fittings Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851 Varivent ≥ DN25 hygienic fitting F40 with compression nut SMS 1145 DN51 SMS DN38 Hygienic fittings ≥ DN25 - DIN11864-1-A Hygienic flange connection DIN11864-2-A; DN60(ISO)ø60,3 SMS socket piece DN38 PN6 |
| Materials, wetted parts PFA PTFE 316L Alloy C22 (2.4602) PEEK | Seal material no media contact |
| Threaded connection ≥ G¾, ≥ ¾ NPT | Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished) |
| Flange connection ≥ DN50, ≥ 2" | Protection rating IP66/IP67 IP66/IP68 (1 bar) IP65 |