



Reliable

Certified materials according to FDA and EC 1935/2004 regulations

Cost effective

Easy cleaning of the vessel

User friendly

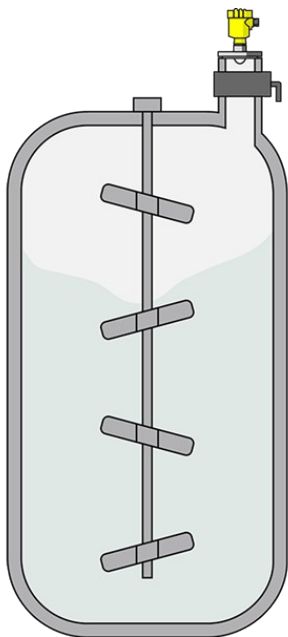
Simple installation through existing ball valves

Reaction vessel with agitator

Level measurement during the production of chewing gum base

Production of polyvinyl acetate – the base material for chewing gum – is carried out in a reaction vessel with a four stage agitator. The various raw materials begin to react when they are mixed by the agitator. To ensure smooth production, accurate level measurement is required.

[More details](#)



VEGAPULS 6X

Radar sensor for level measurement during the polymerization of chewing gum base in the reaction vessel

- Measuring results unaffected by agitator thanks to false signal suppression
- Strong focusing through small beam angle
- Measurement down to vessel bottom, even in media with low dielectric constant

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VEGAPULS 6X[Show Product](#)**Measuring range - Distance**

120 m

Process temperature

-196 ... 450 °C

Process pressure

-1 ... 160 bar

Accuracy

± 1 mm

Frequency

6 GHz

26 GHz

80 GHz

Beam angle

≥ 3°

Materials, wetted parts

PTFE

PVDF

316L

PP

PEEK

Threaded connection

≥ G¾, ≥ ¾ NPT

Flange connection

≥ DN20, ≥ ¾"

Hygienic fittings

Clamp ≥ 1½" - DIN32676, ISO2852

Slotted nut ≥ 2", DN50 - DIN 11851

Varivent ≥ DN25

hygienic fitting with tension flange DN32

hygienic fitting F40 with compression nut

Hygienic screw connections ≥ DN50 tube ø53 -

DIN11864-1-A

Hygienic flange connection ≥ DN50 DIN11864-2

Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-

3-A

DRD connection ø 65 mm

SMS 1145 DN51