



#### Reliable

Certified materials according to FDA and EC 1935/2004 regulations

#### Cost effective

Easy cleaning of the vessel

#### User friendly

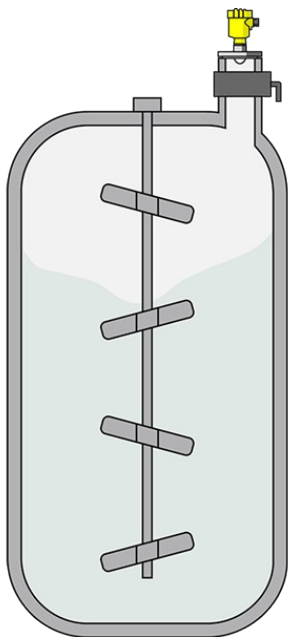
Simple installation through existing ball valves

## 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

[Show Product](#)

**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