



#### Safe

Approved materials according to FDA and EC 1935/2004

#### Cost effective

Not affected by buildup and water condensation

#### User friendly

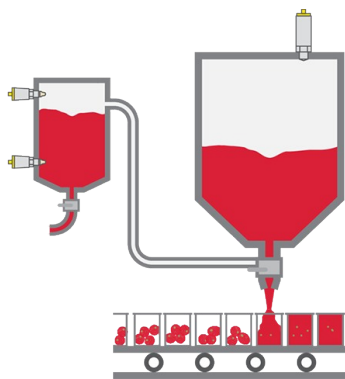
Simple installation and setup

## Tomato juice filling machine

### Level measurement and point level detection in the filling machine

The empty cans enter the filling machine on a conveyor belt. As soon as an individual can reaches the appropriate position for filling, it is pulled in with the help of a pneumatic cylinder and filled under vacuum with natural tomato juice. The level of juice in the supply tank is monitored by a radar sensor. In each filling cycle, the same amount of tomato juice is sucked out of the supply tank. Reliable point level detection ensures that all cans are filled equally.

[More details](#)



#### VEGAPOINT 21

Capacitive point level sensor for regulation of the tomato juice

- Reliable measurement ensures consistent filling of the cans
- 360° status display for quick and easy recognition of process status
- Good cleanability thanks to hygienic design

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#### VEGAPULS 42

Compact radar sensor for continuous level measurement in the supply tank

- Reliable measurement ensures a sufficient supply of tomato juice
- Non-contact measuring principle for maintenance-free operation
- Simple integration into the plant thanks to IO-Link

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## BASIC

**VEGAPOINT 21**  
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**Measuring range - Distance**

-

**Process temperature**

-40 ... 115 °C

**Process pressure**

-1 ... 64 bar

**Materials, wetted parts**316L  
PEEK**Threaded connection**

≥ G½, ≥ ½ NPT

**Hygienic fittings**Clamp ≥ 2", DN50 - DIN32676, ISO2852  
Clamp ≥ 1" - DIN32676, ISO2852  
Clamp ≥ 1½" - DIN32676, ISO2852  
Slotted nut ≥ 1½", ≥ DN40 - DIN 11851  
Slotted nut ≥ DN25 - DIN 11851  
Slotted nut ≥ DN32 - DIN 11851**Seal material**EPDM  
FKM**Protection rating**IP66/IP67  
IP69**Output**Transistor (NPN/PNP)  
IO-Link**Ambient temperature**

-40 ... 70 °C

## BASIC

**VEGAPULS 42**  
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**Measuring range - Distance**

15 m

**Process temperature**

-40 ... 130 °C

**Process pressure**

-1 ... 16 bar

**Accuracy**

± 2 mm

**Frequency**

80 GHz

**Beam angle**

≥ 12°

**Materials, wetted parts**PTFE  
316L  
PEEK**Threaded connection**

≥ G¾, ≥ ¾ NPT

**Hygienic fittings**

Universal connection G1" for hygiene adapter

**Seal material**EPDM  
FKM