



#### Reliable

Reliable measurement right through the container top

#### Cost effective

Long service life thanks to high chemical resistance

#### User friendly

Simple mounting



## Chemical tank

### Level measurement and point level detection in chemical tanks

Chemical tanks guarantee the supply of raw materials for ongoing processes. The plant operator needs exact level readings from the containers at all times to be able to ensure punctual replenishment. An additional level switch protects against overfilling.

#### More details



#### VEGAPULS 21

Continuous level measurement with radar for inventory monitoring and dosing

- Maintenance-free operation using 80 GHz non-contact radar technology
- Exact measuring results, independent of medium, process and operating conditions
- Highly resistant materials ensure a long service life
- With plastic containers, measurement from the outside, right through the vessel top, is possible

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#### Mounting accessories

Mounting bracket with adjustable sensor mounting

- Adjustable sensor mounting bracket allows easy installation and alignment of sensors
- Weatherproof and robust thanks to all 316L stainless steel construction

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#### VEGASWING 63

Redundant point level detection for overflow protection

- Highly resistant materials enable use in aggressive media
- Product-independent switching point guarantees exact detection of limit level
- Maintenance-free operation increases system availability

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#### VEGATOR 121

Single-channel controller for point level detection

- Comprehensive monitoring: detects short-circuit and measuring line break - as well as any sensor malfunction
- Simple, convenient SIL and WHG proof-testing with function test button
- Easy mounting via DIN carrier rail as well as detachable, coded terminals

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**VEGA**

## BASIC

**VEGAPULS 21**  
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**Measuring range - Distance**

15 m

**Process temperature**

-40 ... 80 °C

**Process pressure**

-1 ... 3 bar

**Accuracy**

± 2 mm

**Frequency**

80 GHz

**Beam angle**

8°

**Materials, wetted parts**

PVDF

**Threaded connection**

G1½, 1½ NPT, R1½

**Seal material**

FKM

**Housing material**

Plastic

**Mounting accessories**  
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**Materials, wetted parts**

316L

## PRO

**VEGASWING 63**  
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**Process temperature**

-50 ... 250 °C

**Process pressure**

-1 ... 64 bar

**Version**

Standard

Hygienic applications

with gas-tight leadthrough

with tube extension

with temperature adapter

**Materials, wetted parts**

PFA

316L

Alloy C22 (2.4602)

Alloy 400 (2.4360)

ECTFE

Enamel

**Threaded connection**

≥ G¾, ≥ ¾ NPT

**Flange connection**

≥ DN25, ≥ 1"

**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

**Seal material**

no media contact

**Housing material**

Plastic

Aluminium

Stainless steel (precision casting)

Stainless steel (electropolished)

**Protection rating**

IP66/IP67

IP66/IP68 (1 bar)

IP65

**VEGATOR 121**  
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**Protection rating**

IP20

**Input**

1 x sensor input two-wire 8/16 mA

**Output**

1 x operating relay (SPDT)  
Optionally 1 x fail safe relay output (SPDT)

**Ambient temperature**

-20 ... 60 °C

**Signal input (specify)**

Two-wire 8/16 mA

**Signal output (specify)**

Operating relay  
Fail safe relay