



#### Reliable

Redundant measurement for highest safety standards

#### Cost effective

Universal applicable for almost all liquids

#### User friendly

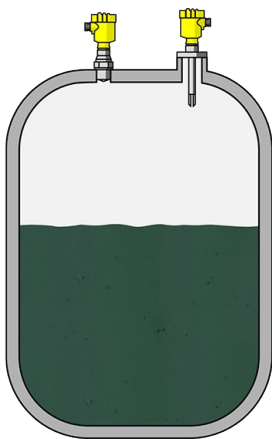
Easy installation and setup

## Holding tanks

### Level measurement and point level detection of holding tanks

Buffer and storage tanks are needed at numerous places in refineries for storing the input and output materials of the various process steps. The containers have different geometries, ranging from horizontal or vertical spherical tanks to horizontal cylindrical tanks to portable plastic containers. To run the refining processes effectively, which includes ensuring the availability of the media, it is crucial to know the exact levels in these storage tanks at all times.

[More details](#)



#### VEGAPULS 6X

Level measurement with radar in holding tanks

- Simple retrofit capability utilizes existing process fittings
- Exact measuring results independent of pressure, temperature, gas or steam
- Very good signal focussing ensures accurate measurement even in small and narrow tanks

[Show Product](#)



#### VEGASWING 63

Vibrating level switch for overflow protection in holding tanks

- Additional level switch provides redundancy
- Simple function test via keystroke increases availability without interrupting the process
- Unaffected by media properties, ensures reliable point level detection

[Show Product](#)

PRO

**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

PRO

**VEGASWING 63**  
[Show Product](#)

**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

**VEGA**