



#### Reliable

Reliable, product-independent measurement

#### Cost effective

Optimal utilization of the container volume

#### User friendly

Simple installation and setup

## Storage tanks for chemicals and auxiliary substances

### Level, switching and pressure measurement in storage tanks

The targeted addition of chemicals and auxiliary substances influences the properties and quality of the paper. Common additives are hydrogen peroxide as well as alkalis, acids and fillers. These chemicals and additives are sometimes aggressive, produce vapours and are at temperatures of up to 95 °C. This means they are often stored in stainless steel or glass fibre reinforced plastic containers. Level and pressure measurements are essential for the safe filling and emptying of the storage tanks and for dry run protection of pumps.

#### More details



#### VEGAPULS 6X

Non-contact level measurement with radar in storage tanks

- Wear and maintenance-free through non-contact measurement
- Suitable for all media and container types
- High chemical resistance via PTFE-encapsulated antenna system

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#### VEGABAR 39

Pressure measurement as dry run protection for the chemical pumps

- Chemically resistant diaphragm
- Small, front-flush process fitting
- Adjustable switch points for signalling exceeding/falling pressure limits
- Signalling of switch and sensor status using full-colour LED-illuminated ring

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#### VEGASWING 63

Vibrating level switch as overflow protection in the storage tank

- Overflowing of the container is reliably prevented
- WHG-approved instrument ensures legal certainty
- Simple WHG (function) test via keystroke

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PRO

**VEGAPULS 6X**  
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**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

BASIC

**VEGABAR 39**  
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**Measuring range - Pressure**

-1 ... 1000 bar

**Process temperature**

-40 ... 130 °C

**Accuracy**

0.3 %

**Materials, wetted parts**

316L

**Threaded connection**

≥ G½, ≥ ½ NPT

**Hygienic fittings**

Clamp ≥ 2", DN50 - DIN32676, ISO2852

Clamp ≥ 1" - DIN32676, ISO2852

Clamp ≥ 1½" - DIN32676, ISO2852

Slotted nut ≥ DN25 - DIN 11851

Slotted nut ≥ DN32 - DIN 11851

SMS 1145 DN51

SMS DN38

Hygienic fittings ≥ DN25 - DIN11864-1-A

Hygienic fittings ≥ DN40 - DIN11864-1-A

Varivent N50-40

SMS DN25

Ingold connection PN10

Varivent F25

**Housing material**

Plastic

**Protection rating**

IP66/IP67

**Output**

4 ... 20 mA

Three-wire (PNP/NPN, 4 ... 20 mA)

IO-Link

**Ambient temperature**

-40 ... 70 °C

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