



#### Reliable

Point level detection with WHG

#### Cost effective

Excellent material and process compatibility ensures long service life and uninterrupted operation

#### User friendly

Standardized housing and adjustment concept

## Storage tanks for liquids

### Liquid level measurement and switching in storage tanks for finished products

Many different liquids with widely varying properties are required in pharmaceutical production. Products, at all stages have to be stored and held ready for subsequent processing. These are used as catalysts for the decomposition of compounds and stored in a wide variety of concentrations, some of these products are acids. For smooth production and optimal storage, reliable level measurement and point level detection are absolutely necessary.

[More details](#)



#### VEGAPULS 6X

Non-contact level measurement with radar in storage tanks for liquid raw materials, intermediates and finished products

- Front-flush mounting and optimal cleaning fulfill strict hygienic requirements
- Consistently reliable, safe measurement, unaffected by temperature fluctuations and gas phases

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#### VEGASWING 63

Level detection with vibration in storage tanks for liquid finished products

- Level detector for all liquid media, regardless of viscosity
- Exact switch point enables entire container volume to be utilized - efficient production ensured, even with changing media
- Simple setup and commissioning

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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**  
≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  NPT

**Flange connection**  
≥ DN20, ≥  $\frac{3}{4}$ "

**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

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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**  
≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  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