



#### Reliable

Reliable measurement, unaffected by media properties

#### Cost effective

Long service life ensures uninterrupted operation for extended periods

#### User friendly

Non-contact measurement through glass

## Agitating tank

### Level measurement and point level detection in an agitating tank

In the pharmaceutical industry, numerous liquids with widely different properties are required. Liquid intermediate products must be made available and held ready for further processes. To ensure smooth, continuous production, reliable level measurement and point level detection are essential.

[More details](#)



#### VEGAPULS 6X

Non-contact level measurement with radar in agitating tanks for raw and intermediate products

- Reliable measurement through inspection glass, independent of medium
- Wide dynamic range allows measurement even with slightly slanted windows
- Instrument ensures consistently reliable measurement, unaffected by temperature fluctuations and gas phases

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#### VEGASWING 63

Point level detection with vibrating level switches in agitating tanks for raw and intermediate products

- Level detector for all liquid media, regardless of viscosity
- Thanks to the exact switching point, the entire container capacity can be utilized and efficient production ensured despite 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 ≥ 1 $\frac{1}{2}$ " - 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 ≥ 1 $\frac{1}{2}$ ", ≥ 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