



#### Reliable

Reliable measurement right through tank top

#### Cost effective

Tank is less expensive because it needs fewer process fittings

#### User friendly

Simple installation

## Chemical tanks

### Level measurement and point level detection in the chemical tank

Through the addition of chemicals, phosphates in the wastewater are precipitated out, for example in primary sedimentation, in aeration systems or in special precipitation and secondary clarifiers. Precipitants like ferric chloride bind the phosphate chemically and deposit it in the sludge. In the storage tanks for these chemicals, a level measurement and point level detection system is deployed for continuous inventory control and optimal dosage.

[More details](#)



#### VEGAPULS 21

Continuous level measurement with radar for inventory monitoring of treatment chemicals

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

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#### VEGASWING 63

Back up point level detection system to avoid overfilling the tank with media hazardous to water

- A choice of highly chemically resistant materials and coatings
- Universally applicable
- Adjustment and maintenance free operation

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## BASIC

**VEGAPULS 21**  
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**Measuring range - Distance**  
20 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

## 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