



Reliable

All materials are fully chemically resistant

Cost effective

Universal application, independent of product characteristics and process conditions

User friendly

Maintenance-free operation

Chlorine storage tank

Level measurement and point level detection in storage tanks for chlorine

Chlorine production and storage places high demands on the chemical and the diffusion resistance of the materials in the production equipment. Extensive process knowledge and experience is required when selecting the sealing materials. In fact it is decisive for the long-term, safe and profitable operation of the plant. Since the processes can only be interrupted at great expense and plant disruption, the reliability of the instrumentation is a top priority.

[More details](#)



VEGAPULS 6X

Level measurement with non-contact radar sensor in the storage tank for chlorine

- Reliable level measurement under all process conditions
- Optimum chemical resistance is ensured by a diffusion-tight, 8 mm thick PTFE disc
- Maintenance-free operation with very long service life

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VEGASWING 63

Point level detection with vibrating level switch in the storage tank for chlorine

- Reliable level detection under all process conditions in wide temperature and pressure ranges
- Various highly resistant materials are available to meet widely different demands on chemical resistance
- Simple function check with test button on the sensor

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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

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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