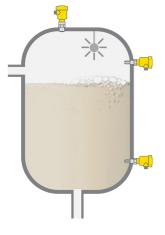


#### Reliable

Approved materials in compliance with FDA and EC 1935/2004

Cost effective Maintenance-free operation

User friendly Simple mounting



# CIP system - cleaning agent storage tanks

# Level measurement and point level detection in the cleaning agent storage tank of the CIP system

In the pharmaceutical industry, cleaning of process equipment takes place within the framework of a validated "Clean in Place (CIP)" process to ensure aseptic conditions are maintained in production equipment, tanks and pipelines. Sodium hydroxide or concentrated acids are frequently used as cleaning agents, which are held in storage tanks within the CIP system. They are diluted in a premix vessel prior to use. Level measurement enables safe storage and optimal usage of these cleaning agents. Point level detection serves as overfill and dry run protection.

#### More details



#### **VEGAPULS 6X**

Radar sensor for continuous level measurement in cleaning agent storage tanks

- Very good focusing with small beam angle of only 4°
- Reliable measurement, unaffected by condensate formation
- Long service life thanks to high chemical resistance

#### **Show Product**

## **VEGASWING 61**

Vibrating level switch as overfill and dry run protection

- Reliable detection of the limit level, independent of medium
- Enamel coating ensures long service life of sensor
- Simple setup without adjustment

### **Show Product**



PRO	PRO
VEGAPULS 6X	VEGASWING 61
Show Product	Show Product
Measuring range - Distance	Measuring range - Distance
120 m	-
Process temperature	Process temperature
-196 450 °C	-50 250 °C
Process pressure	Process pressure
-1 160 bar	-1 64 bar
Accuracy ± 1 mm Frequency	Version Standard Hygienic applications with gas-tight leadthrough
6 GHz	With gas-light leadthrough
26 GHz	with temperature adapter
80 GHz	Materials, wetted parts
Beam angle ≥ 3°	<ul> <li>PFA</li> <li>316L</li> <li>Alloy C22 (2.4602)</li> </ul>
Materials, wetted parts	Alloy 400 (2.4360)
PTFE	ECTFE
PVDF	Enamel
316L PP PEEK	Threaded connection ≥ G <sup>3</sup> ⁄4, ≥ <sup>3</sup> ⁄4 NPT
Threaded connection	- Flange connection
≥ G¾, ≥¾ NPT	≥ DN25, ≥ 1"
Flange connection ≥ DN20, ≥ ¾"	- <b>Hygenic fittings</b> Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851
Hygenic fittings	Varivent ≥ DN25
Clamp ≥ $1\frac{1}{2}$ " - DIN32676, ISO2852	hygienic fitting F40 with compression nut
Slotted nut ≥ 2", DN50 - DIN 11851	SMS 1145 DN51
Varivent ≥ DN25	SMS DN38
hygienic fitting with tension flange DN32	Hygienic fittings ≥ DN25 - DIN11864-1-A
hygienic fitting F40 with compression nut	Hygienic flange connection DIN11864-2-A;
Hygienic screw connections ≥ DN50 tube ø53 -	DN60(ISO)ø60,3
DIN11864-1-A	SMS socket piece DN38 PN6
Hygienice flange connection ≥ DN50 DIN11864-2	Seal material
Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-	no media contact
3-A DRD connection ø 65 mm SMS 1145 DN51	Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)

