



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 overflow 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

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VEGASWING 61

Vibrating level switch as overflow 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

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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
 ≥ G¾, ≥ ¾ NPT

Flange connection
 ≥ DN20, ≥ ¾"

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 61
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Measuring range - Distance
 -

Process temperature
 -50 ... 250 °C

Process pressure
 -1 ... 64 bar

Version
 Standard
 Hygienic applications
 with gas-tight leadthrough
 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)