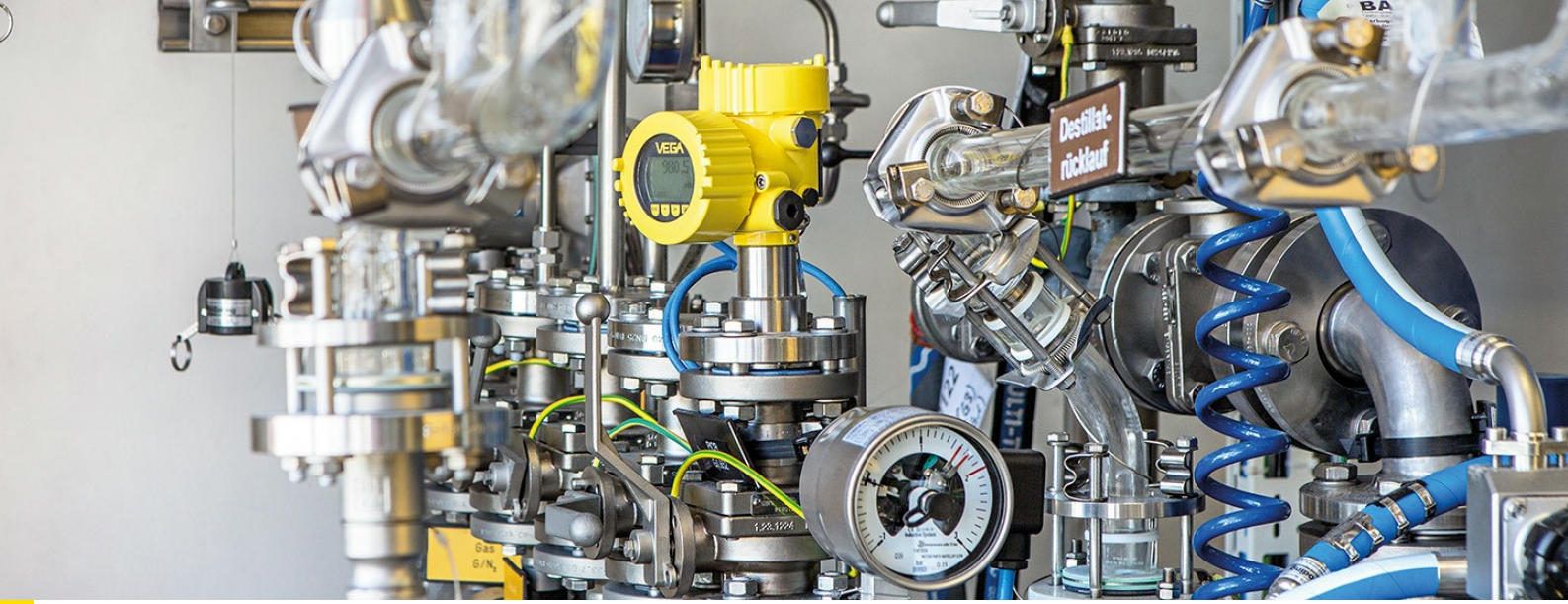



**Reliable**

Certified hygienic design (3A/EHEDG) and approved materials in accordance with FDA and EC 1935/2004

**Cost effective**

Simple stocking: electronics universally applicable

**User friendly**

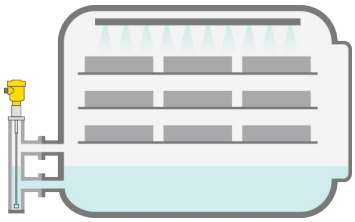
Standardized adjustment of all instruments thanks to plics® concept

# Autoclave

## Level and pressure measurement in the autoclave

In the production of medical consumables, autoclaves are commonly used for sterilization. Every autoclave has 4 chambers where medical products are sterilized. They work with dry, saturated steam at 2.7 bar pressure and 130 °C. To regulate the water level in the condensate sump, a reliable level measurement is required. The overpressure is also measured to ensure an optimal and safe autoclaving process.

**More details**



### VEGAFLEX 81

Level measurement with guided radar in the autoclave

- Hygienic process fittings allow aseptic operation
- Special seals and housing materials ensure long-term, maintenance-free operation of the equipment
- Menu-driven adjustment allows simple, fast and confident setup

**Show Product**

### VEGABAR 83

Overpressure measurement with pressure transmitter in autoclave

- Reliable measurement, unaffected by temperature or condensate
- Welded measuring cell ensures aseptic operation
- METEC® measuring cell is resistant to sterilization processes

**Show Product**

PRO

## VEGAFLEX 81

Show Product

**Measuring range - Distance**
75 m

**Process temperature**
-60 ... 200 °C

**Process pressure**
-1 ... 40 bar

**Accuracy**
± 2 mm

**Version**
Basic version for exchangeable cable ø 2; ø 4 mm
Basic version for exchangeable rod ø 8 mm
Basic version for exchangeable rod ø 12 mm
Coax version ø 21.3 mm for ammonia application
Coax version ø 21.3 mm with single hole
Coax version ø 21.3 mm with multiple hole
Coax version ø 42.2 mm with multiple hole
Exchangeable rod ø 8 mm
Exchangeable rod ø 12 mm
Exchangeable cable ø 2 mm with gravity weight
Exchangeable cable ø 4 mm with gravity weight
Exchangeable cable ø 2 mm with centering weight
Exchangeable cable ø 4 mm with centering weight
Exchangeable cable ø 4 mm without weight
exchangeable, PFA-coated cable ø4 mm with non-coated centering weight

**Materials, wetted parts**
PFA
316L
Alloy C22 (2.4602)
Alloy 400 (2.4360)
Alloy C276 (2.4819)
Duplex (1.4462)
304L

**Threaded connection**
≥ G¾, ≥ ¾ NPT

**Flange connection**
≥ DN25, ≥ 1"

**Seal material**
EPDM
FKM
FFKM
Silicone FEP coated
Borosilicate glass

**Housing material**
Plastic
Aluminium
Stainless steel (precision casting)
Stainless steel (electropolished)

PRO

## VEGABAR 83

Show Product

**Measuring range - Distance**
-

**Measuring range - Pressure**
-1 ... 1000 bar

**Process temperature**
-40 ... 200 °C

**Process pressure**
-1 ... 1000 bar

**Accuracy**
0.075 %

**Materials, wetted parts**
316L
Alloy C22 (2.4602)
316Ti (1.4571)
Alloy C4 (2.4610)

**Threaded connection**
≥ G½, ≥ ½ NPT

**Flange connection**
≥ DN25, ≥ 1"

**Hygenic fittings**
Slotted nut ≥ DN25 - DIN 11851
Varivent ≥ DN25
hygienic fitting with tension flange DN32
Hygienice flange connection ≥ DN50 DIN11864-2
SMS 1145 DN51
SMS DN38
Hygienic fittings ≥ DN33 - DIN11864-1-A
Hyg. collar clamp adapter DN40PN40 DIN11864-3-A
Hyg. clamp connection DIN11864-3-A; DN50 Rohr ø53
Swagelok VCR screwing
Varivent G125

**Seal material**
no media contact