



### 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

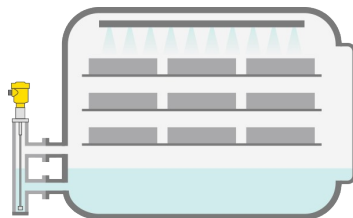
Standardized adjustment of all instruments thanks to plics® concept

## 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

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### 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

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## VEGAFLEX 81

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**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**  
≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  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

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**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**  
≥ G $\frac{1}{2}$ , ≥  $\frac{1}{2}$  NPT

**Flange connection**  
≥ DN25, ≥ 1"

### Hygienic fittings

Slotted nut ≥ DN25 - DIN 11851  
Varivent ≥ DN25  
hygienic fitting with tension flange DN32  
Hygienic 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