



### 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

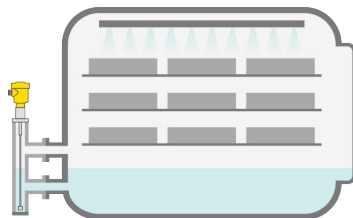
Standardized adjustment of all instruments thanks to plics® concept

## 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  $\varnothing$  2;  $\varnothing$  4 mm  
 Basic version for exchangeable rod  $\varnothing$  8 mm  
 Basic version for exchangeable rod  $\varnothing$  12 mm  
 Coax version  $\varnothing$  21.3 mm for ammonia application  
 Coax version  $\varnothing$  21.3 mm with single hole  
 Coax version  $\varnothing$  21.3 mm with multiple hole  
 Coax version  $\varnothing$  42.2 mm with multiple hole  
 Exchangeable rod  $\varnothing$  8 mm  
 Exchangeable rod  $\varnothing$  12 mm  
 Exchangeable cable  $\varnothing$  2 mm with gravity weight  
 Exchangeable cable  $\varnothing$  4 mm with gravity weight  
 Exchangeable cable  $\varnothing$  2 mm with centering weight  
 Exchangeable cable  $\varnothing$  4 mm with centering weight  
 Exchangeable cable  $\varnothing$  4 mm without weight  
 exchangeable, PFA-coated cable  $\varnothing$  4 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**  
 $\geq G\frac{3}{4}$ ,  $\geq \frac{3}{4}$  NPT

**Flange connection**  
 $\geq DN25$ ,  $\geq 1"$

### 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**  
 $\geq G\frac{1}{2}$ ,  $\geq \frac{1}{2}$  NPT

**Flange connection**  
 $\geq DN25$ ,  $\geq 1"$

### Hygienic fittings

Slotted nut  $\geq DN25$  - DIN 11851  
 Varivent  $\geq DN25$   
 hygienic fitting with tension flange DN32  
 Hygienic flange connection  $\geq DN50$  DIN11864-2  
 SMS 1145 DN51  
 SMS DN38  
 Hygienic fittings  $\geq DN33$  - DIN11864-1-A  
 Hyg. collar clamp adapter DN40PN40 DIN11864-3-A  
 Hyg. clamp connection DIN11864-3-A; DN50 Rohr  $\varnothing$ 53  
 Swagelok VCR screwing  
 Varivent G125

**Seal material**  
no media contact