

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

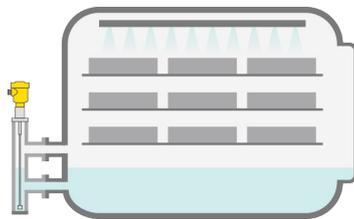
Standardized adjustment of all instruments thanks to plics® concept

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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PRO

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