

Autoclave

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

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.



VEGAFLEX 81

Level measurement with guided radar in the autoclave

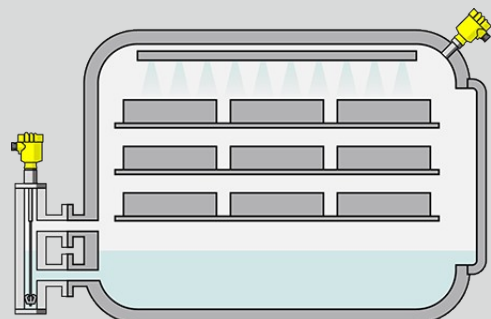
- Hygienic process fittings allow aseptic operation
- Special seals and housing materials ensure long-term, maintenance-free operation of the equipment
- Menu-driven adjustment allows simple, fast and confident setup



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





VEGAFLEX 81	VEGABAR 83
Measuring range - Distance 75 m	Measuring range - Distance -
Process temperature -60 ... 200 °C	Measuring range - Pressure -1 ... 1000 bar
Process pressure -1 ... 40 bar	Process temperature -40 ... 200 °C
Accuracy ± 2 mm	Process pressure -1 ... 1000 bar
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	Accuracy 0.075 %
Materials, wetted parts PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) Alloy C276 (2.4819) Duplex (1.4462) 304L	Materials, wetted parts 316L Alloy C22 (2.4602) 316Ti (1.4571) Alloy C4 (2.4610)
Threaded connection ≥ G¾, ≥ ¾ NPT	Threaded connection ≥ G½, ≥ ½ NPT
Flange connection ≥ DN25, ≥ 1"	Flange connection ≥ DN25, ≥ 1"
Seal material EPDM FKM FFKM Silicone FEP coated Borosilicate glass	Hygienic fittings Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ DN25 - DIN 11851 Varivent ≥ DN25 hygienic fitting with tension flange DN32 Hygiene 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
Housing material Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	Seal material EPDM FKM FFKM FEPM