



Reliable

Certified hygienic design (3A/EHEDG) and approved materials according to EC 1935/2004 and FDA

Cost effective

Three instruments deliver four different measured values: pressure (head pressure and line pressure), liquid level and temperature

User friendly

Standardized housing and adjustment concept

Ultrapure water storage tank

Level and pressure measurement in storage tanks for ultrapure water (Water for Injections)

High-purity water (WFI) is required for pharmaceutical products that are injected directly into the bloodstream or administered as eye or nose drops. This water is produced through filtration and distillation, then stored temporarily in tanks. Absolute sterility and cleanability are essential criteria for all process components that have direct contact with the medium. This also applies to the instruments for level and pressure measurement in the tank.

More details



VEGAPULS 6X

Non-contact level measurement with radar in the WFI storage tank

- Reliable and accurate measurement, unaffected by pressure, temperature or other process conditions, also suitable for small tanks
- Flange with encapsulated antenna system allows optimal CIP and SIP cleaning and thus production of the highest quality

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VEGABAR 82

Pressure transmitter for monitoring pressure in the pipe network of the water treatment system

- The dry, highly overload resistant ceramic measuring cell guarantees a safe and reliable process
- Only suitable, tested materials in compliance with EC 1935/2004 are used
- Integrated temperature sensor saves to buy additional temperature measuring instruments

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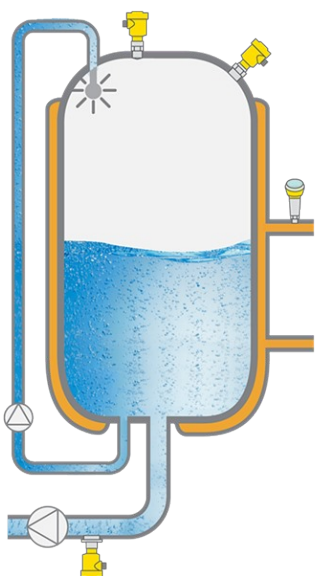





VEGABAR 38

Pressure monitoring with IO-Link connection in the supply line of the heating medium

- Reliable measurement thanks to fast response time
- Robust ceramic CERTEC® measuring cell guarantees a long service life
- Simple operation thanks to VDMA menu structure and integrated display

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PRO	PRO	BASIC
VEGAPULS 6X Show Product	VEGABAR 82 Show Product	VEGABAR 38 Show Product
		
Measuring range - Distance 120 m	Measuring range - Distance -	Measuring range - Pressure -1 ... 60 bar
Process temperature -196 ... 450 °C	Measuring range - Pressure -1 ... 100 bar	Process temperature -40 ... 130 °C
Process pressure -1 ... 160 bar	Process temperature -40 ... 150 °C	Accuracy 0.3 %
Accuracy ± 1 mm	Process pressure -1 ... 100 bar	Materials, wetted parts PVDF 316L Duplex (1.4462) Ceramic
Frequency 6 GHz 26 GHz 80 GHz	Accuracy 0.05 %	Threaded connection ≥ G $\frac{3}{4}$, ≥ $\frac{3}{4}$ NPT
Beam angle ≥ 3°	Materials, wetted parts PVDF 316L Alloy C22 (2.4602) PP 1.4057 1.4410 Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035)	Hygienic fittings Clamp ≥ 2", DN50 - DIN32676, ISO2852 Clamp ≥ 1" - DIN32676, ISO2852 Clamp ≥ 1 $\frac{1}{2}$ " - DIN32676, ISO2852 Slotted nut ≥ 1 $\frac{1}{2}$ ", ≥ DN40 - DIN 11851 Slotted nut ≥ DN25 - DIN 11851 SMS DN38 Hygienic fittings ≥ DN25 - DIN11864-1-A Hygienic fittings ≥ DN40 - DIN11864-1-A Varivent N50-40 SMS DN25 Ingold connection PN10 Varivent F25
Materials, wetted parts PTFE PVDF 316L PP PEEK	Threaded connection ≥ G $\frac{3}{4}$, ≥ $\frac{3}{4}$ NPT	Seal material EPDM FKM FFKM
Threaded connection ≥ G $\frac{3}{4}$, ≥ $\frac{3}{4}$ NPT	Flange connection ≥ DN15, ≥ $\frac{1}{2}$ "	Housing material Plastic
Flange connection ≥ DN20, ≥ $\frac{3}{4}$ "	Hygienic fittings Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ DN25 - DIN 11851 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut DRD connection ø 65 mm SMS 1145 DN51 SMS DN38 Swagelok VCR screwing Varivent G125 Varivent N50-40 for NEUMO BioControl D50 PN16 / 316L	Protection rating IP66/IP67 IP65
Hygienic fittings Clamp ≥ 1 $\frac{1}{2}$ " - DIN32676, ISO2852 Slotted nut ≥ 2", DN50 - DIN 11851 Varivent ≥ DN25 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A Hygienic flange connection ≥ DN50 DIN11864-2 Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-3-A DRD connection ø 65 mm SMS 1145 DN51	Seal material EPDM FKM FFKM	Output 4 ... 20 mA Three-wire (PNP/NPN, 4 ... 20 mA) IO-Link