



### 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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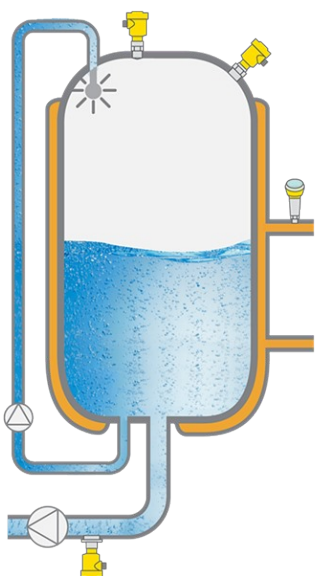





#### VEGABAR 38

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
<b>VEGAPULS 6X</b> <a href="#">Show Product</a>	<b>VEGABAR 82</b> <a href="#">Show Product</a>	<b>VEGABAR 38</b> <a href="#">Show Product</a>
		
<b>Measuring range - Distance</b> 120 m	<b>Measuring range - Distance</b> -	<b>Measuring range - Pressure</b> -1 ... 60 bar
<b>Process temperature</b> -196 ... 450 °C	<b>Measuring range - Pressure</b> -1 ... 100 bar	<b>Process temperature</b> -40 ... 130 °C
<b>Process pressure</b> -1 ... 160 bar	<b>Process temperature</b> -40 ... 150 °C	<b>Accuracy</b> 0.3 %
<b>Accuracy</b> ± 1 mm	<b>Process pressure</b> -1 ... 100 bar	<b>Materials, wetted parts</b> PVDF 316L Duplex (1.4462) Ceramic
<b>Frequency</b> 6 GHz 26 GHz 80 GHz	<b>Accuracy</b> 0.05 %	<b>Threaded connection</b> ≥ G $\frac{3}{4}$ , ≥ $\frac{3}{4}$ NPT
<b>Beam angle</b> ≥ 3°	<b>Materials, wetted parts</b> PVDF 316L Alloy C22 (2.4602) PP 1.4057 1.4410 Alloy C276 (2.4819) Duplex (1.4462) Titanium Grade 2 (3.7035)	<b>Hygienic fittings</b> 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
<b>Materials, wetted parts</b> PTFE PVDF 316L PP PEEK	<b>Threaded connection</b> ≥ G $\frac{3}{4}$ , ≥ $\frac{3}{4}$ NPT	<b>Seal material</b> EPDM FKM FFKM
<b>Threaded connection</b> ≥ G $\frac{3}{4}$ , ≥ $\frac{3}{4}$ NPT	<b>Flange connection</b> ≥ DN15, ≥ $\frac{1}{2}$ "	<b>Housing material</b> Plastic
<b>Flange connection</b> ≥ DN20, ≥ $\frac{3}{4}$ "	<b>Hygienic fittings</b> 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	<b>Protection rating</b> IP66/IP67 IP65
<b>Hygienic fittings</b> 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	<b>Seal material</b> EPDM FKM FFKM	<b>Output</b> 4 ... 20 mA Three-wire (PNP/NPN, 4 ... 20 mA) IO-Link