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

Show Product

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
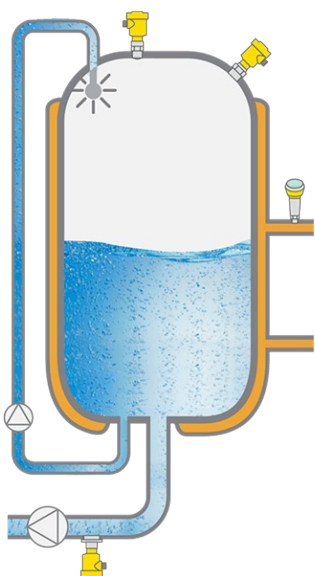
Show Product

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

Show Product

VEGA HOME OF VALUES

PRO	PRO	BASIC

VEGAPULS 6X
Show Product

Measuring range - Distance	**Measuring range - Distance**	**Measuring range - Pressure**
120 m	-	-1 ... 60 bar
Process temperature	**Measuring range - Pressure**	**Process temperature**
-196 ... 450 °C	-1 ... 100 bar	-40 ... 130 °C
Process pressure	**Process temperature**	**Accuracy**
-1 ... 160 bar	-40 ... 150 °C	0.3 %
Accuracy	**Process pressure**	**Materials, wetted parts**
± 1 mm	-1 ... 100 bar	PVDF
Frequency	**Accuracy**	316L
6 GHz	0.05 %	Duplex (1.4462)
26 GHz	**Materials, wetted parts**	Ceramic
80 GHz	PVDF	**Threaded connection**
Beam angle	316L	≥ G½, ≥ ½ NPT
≥ 3°	Alloy C22 (2.4602)	**Hygenic fittings**
Materials, wetted parts	PP	Clamp ≥ 2", DN50 - DIN32676, ISO2852
PTFE	1.4057	Clamp ≥ 1" - DIN32676, ISO2852
PVDF	1.4410	Clamp ≥ 1½" - DIN32676, ISO2852
316L	Alloy C276 (2.4819)	Slotted nut ≥ 1½", ≥ DN40 - DIN 11851
PP	Duplex (1.4462)	Slotted nut ≥ DN25 - DIN 11851
PEEK	Titanium Grade 2 (3.7035)	SMS DN38
Threaded connection	**Threaded connection**	Hygienic fittings ≥ DN25 - DIN11864-1-A
≥ G¾, ≥ ¾ NPT	≥ G½, ≥ ½ NPT	Hygienic fittings ≥ DN40 - DIN11864-1-A
Flange connection	**Flange connection**	Varivent N50-40
≥ DN20, ≥ ¾"	≥ DN15, ≥ ½"	SMS DN25
Hygenic fittings	**Hygenic fittings**	Ingold connection PN10
Clamp ≥ 1½" - DIN32676, ISO2852	Clamp ≥ 1" - DIN32676, ISO2852	Varivent F25
Slotted nut ≥ 2", DN50 - DIN 11851	Slotted nut ≥ DN25 - DIN 11851	**Seal material**
Varivent ≥ DN25	hygienic fitting with tension flange DN32	EPDM
hygienic fitting with tension flange DN32	hygienic fitting F40 with compression nut	FKM
hygienic fitting F40 with compression nut	DRD connection ø 65 mm	FFKM
Hygienic screw connections ≥ DN50 tube ø53 - DIN11864-1-A	SMS 1145 DN51	**Housing material**
Hygienice flange connection ≥ DN50 DIN11864-2	SMS DN38	Plastic
Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-3-A	Swagelok VCR screwing	**Protection rating**
DRD connection ø 65 mm	Varivent G125	IP66/IP67
SMS 1145 DN51	Varivent N50-40	IP65
	for NEUMO BioControl D50 PN16 / 316L	**Output**
	Seal material	4 … 20 mA
	EPDM	Three-wire (PNP/NPN, 4 … 20 mA)
	FKM	IO-Link
	FFKM	

Column 2 heading: **VEGABAR 82** — Show Product

Column 3 heading: **VEGABAR 38** — Show Product