

Reliable

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

Cost effective

Continuous operation with absolute hygiene

User friendly

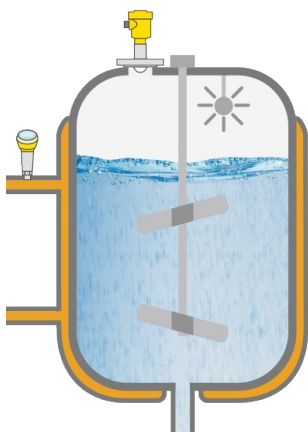
Standardized adjustment, process data storable and transferable

Mixing Vessel

Level measurement in the mixing vessel and pressure measurement in the supply line

Mixing vessels are applied for preparation, storage and transfer of a wide range of pharmaceutical products. These vessels are used for the manufacture of antibiotics, blood plasma products, and injection and infusion solutions. Following preparation, substances are transferred to a filling station. To ensure a reliable process, the liquid level in the mixing vessel must be reliably and continuously monitored.

[More details](#)



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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VEGPULS 6X

Level measurement with radar in the mixing vessel

- Reliable level measurement, independent of process conditions such as vacuum, pressure, temperature and changing product density
- Flange with encapsulated antenna system allows optimal CIP and SIP cleaning
- The small beam angle and good focussing of the sensor allows easy alignment

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BASIC

PRO

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**Measuring range - Pressure**

-1 ... 60 bar

Process temperature

-40 ... 130 °C

Accuracy

0.3 %

Materials, wetted parts

PVDF
 316L
 Duplex (1.4462)
 Ceramic

Threaded connection≥ G $\frac{1}{2}$, ≥ $\frac{1}{2}$ NPT**Hygienic fittings**

Clamp ≥ 2", DN50 - DIN32676, ISO2852
 Clamp ≥ 1" - DIN32676, ISO2852
 Clamp ≥ 1½" - DIN32676, ISO2852
 Slotted nut ≥ 1½", ≥ 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

Seal material

EPDM
 FKM
 FFKM

Housing material

Plastic

Protection rating

IP66/IP67
 IP65

Output

4 ... 20 mA
 Three-wire (PNP/NPN, 4 ... 20 mA)
 IO-Link

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**Measuring range - Distance**

120 m

Process temperature

-196 ... 450 °C

Process pressure

-1 ... 160 bar

Accuracy

± 1 mm

Frequency

6 GHz
 26 GHz
 80 GHz

Beam angle

≥ 3°

Materials, wetted parts

PTFE
 PVDF
 316L
 PP
 PEEK

Threaded connection≥ G $\frac{3}{4}$, ≥ $\frac{3}{4}$ NPT**Flange connection**≥ DN20, ≥ $\frac{3}{4}$ "**Hygienic fittings**

Clamp ≥ 1½" - 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