

Mixing Vessel

Reliable

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

Cost effective

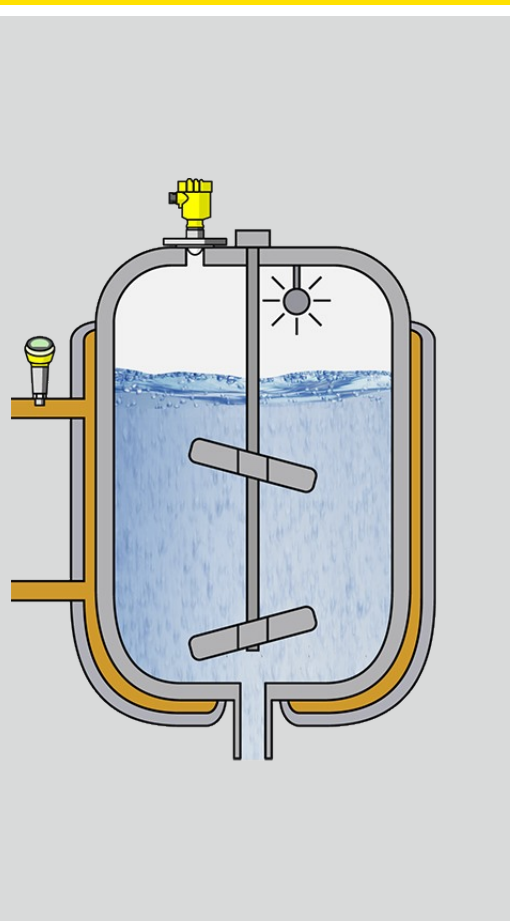
Continuous operation with absolute hygiene

User friendly

Standardized adjustment, process data storable and transferable

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.



VEGPULS 64

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



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



VEGPULS 64	VEGABAR 38
Measuring range - Distance 30 m	Measuring range - Pressure -1 ... 60 bar
Process temperature -196 ... 200 °C	Process temperature -40 ... 130 °C
Process pressure -1 ... 25 bar	Accuracy 0.3 %
Accuracy ± 1 mm	Materials, wetted parts PVDF 316L Duplex (1.4462) Ceramic
Frequency 80 GHz	Threaded connection ≥ G½, ≥ ½ NPT
Beam angle ≥ 3°	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
Version with plastic horn antenna ø 80 mm Thread with integrated horn antenna Flange with encapsulated antenna system Hygienic fitting with encapsulated antenna system	Seal material EPDM FKM FFKM
Materials, wetted parts PFA PTFE 316L Alloy C22 (2.4602) PEEK	Housing material Plastic
Threaded connection ≥ G¾, ≥ ¾ NPT	Protection rating IP66/IP67 IP65
Flange connection ≥ DN50, ≥ 2"	Output 4 ... 20 mA Three-wire (PNP/NPN, 4 ... 20 mA) IO-Link