



Reliable

Safe, reliable measurement from the outside through the bag

Cost effective

Time and cost-intensive CIP/SIP cleaning no longer required

User friendly

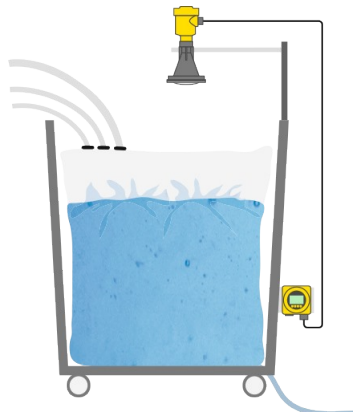
Simple integration and setup

Disposable plastic container

Level measurement in disposable plastic containers

When very small product batches are produced in the pharmaceutical industry, disposable plastic containers are often used. These are essentially polymer bags in which a fermentation process takes place or which contain a certain medium or buffer. Continuous level measurement is required to ensure high process efficiency.

[More details](#)



VEGAPULS 6X

Level measurement with radar in disposable containers

- Wide dynamic range enables level measurement through plastic
- Reliable measurement, independent of the medium
- No cleaning of sensor necessary, as measurement is done from the outside

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VEGADIS 81

External display and adjustment unit for plics® sensors

- Measured value display and sensor adjustment in a readily accessible location
- Simple operation, graphically supported with clearly structured program guidance
- Convenient connection directly to the sensor without further measures

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Measuring range - Distance 120 m	Housing material Plastic Aluminium Stainless steel (precision casting)
Process temperature -196 ... 450 °C	Protection rating IP66/IP67
Process pressure -1 ... 160 bar	Ambient temperature -20 ... 70 °C
Accuracy ± 1 mm	Signal input (specify) plics sensor (serial)
Frequency 6 GHz 26 GHz 80 GHz	Signal output (specify) Display
Beam angle ≥ 3°	
Materials, wetted parts PTFE PVDF 316L PP PEEK	
Threaded connection ≥ G¾, ≥ ¾ NPT	
Flange connection ≥ DN20, ≥ ¾"	
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 Hygienice flange connection ≥ DN50 DIN11864-2 Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-3-A DRD connection ø 65 mm SMS 1145 DN51	