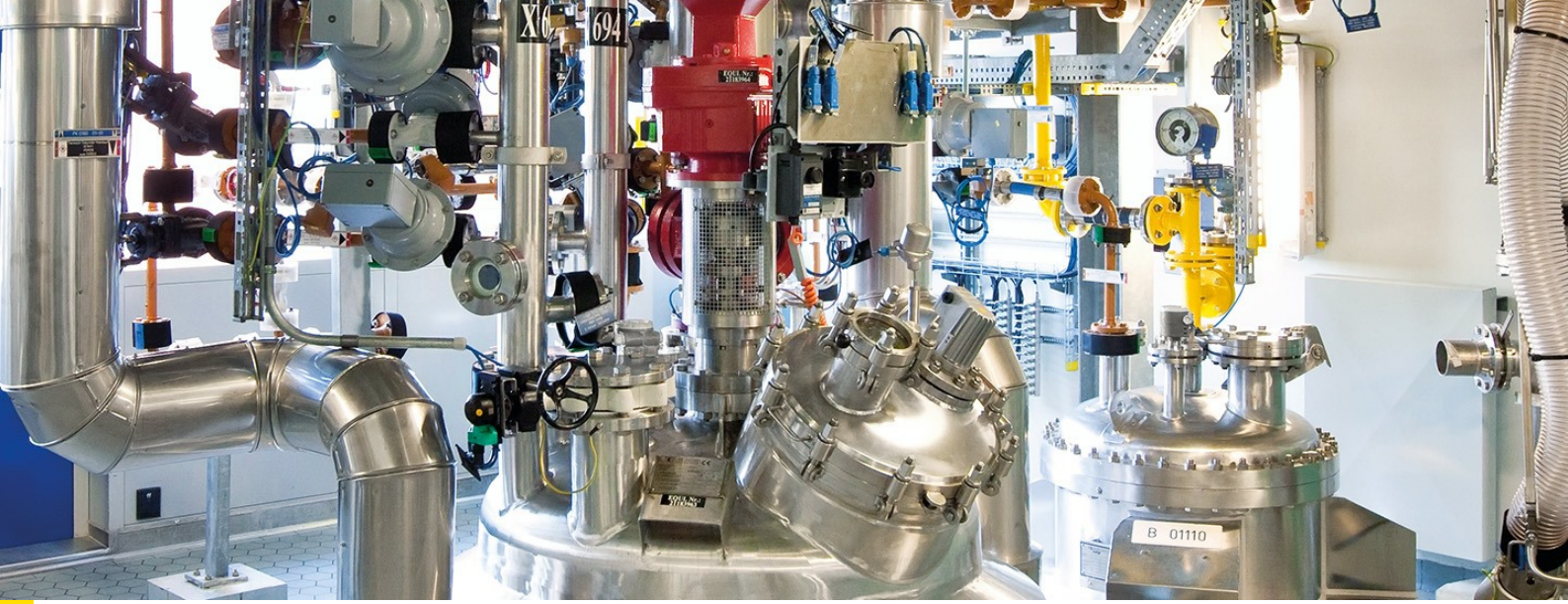


Reliable

Reliable measurement independent of the process conditions

Cost effective

Non-contact and wear-free measurement

User friendly

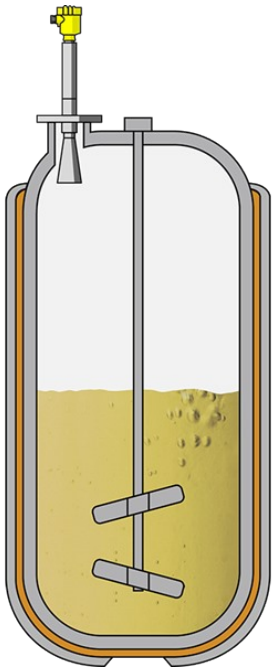
Simple adjustment and operation

Reactor

Level measurement in a reactor

High temperatures, pressures and vacuums are techniques usually employed to make reaction processes more efficient and economical. This is a big challenge for engineering, because the sensors used have to deliver reliable measurements under these conditions. To be able to meet the diverse requirements of reaction vessels, sensors for level measurement have to meet a very wide range of application conditions.

More details



VEGAPULS 6X

Continuous level measurement with radar in the reactor

- Trustworthy level measurement, independent of process conditions such as temperature, pressure, reaction gases or built-in agitator
- Level is reliably detected despite the effects of changing conditions or mixing processes
- Wide range of applications possible thanks to high temperature and pressure range up to +450 °C and +160 bar

Show Product

PRO

VEGAPULS 6X

Show Product

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

≥ G¾, ≥ ¾ NPT

Flange connection

≥ DN20, ≥ ¾"

Hygenic 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