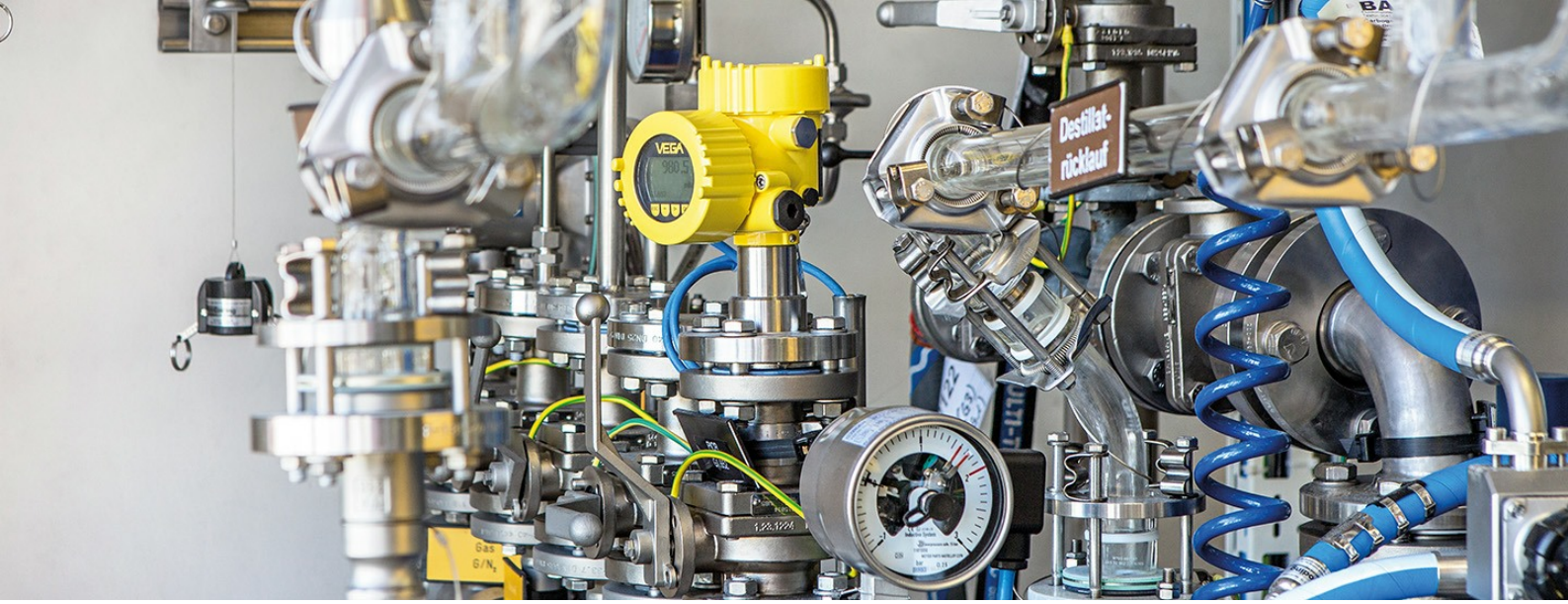



# Reaction vessel

Reliable

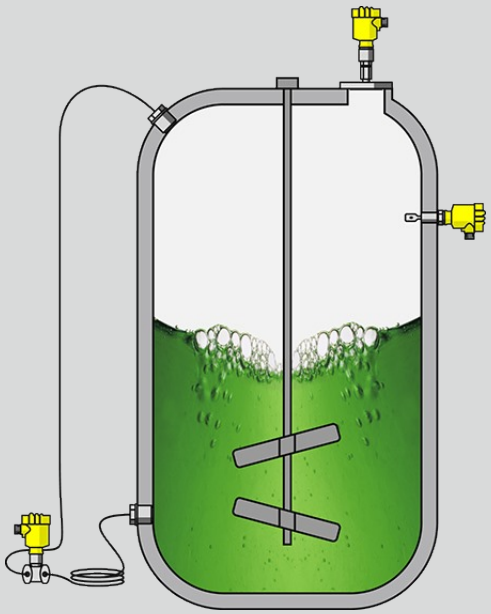
Certified hygienic design (3A/EHEDG) and approved materials according to EC 1935/2004 and FDA

Cost effective

Three instruments deliver four different measured values: pressure (head pressure and line pressure), level and temperature

User friendly

Standardized adjustment, process data storable and transferable



## Level and pressure measurement and point level detection in multi-product and multi-line production facilities

The measuring conditions inside a reaction vessel in a multi-product, multi-line production facility are characterized by changing media as well as widely fluctuating temperatures and pressures. Depending on the properties of the raw materials, either alloy, stainless steel or enamel lined vessels are used. Different components like stirrers, dryers and centrifuges also vary in each process. To ensure reliable operation and high productivity, both level and pressure have to be continuously measured and monitored.

### VEGADIF 85

Differential pressure transmitter for level measurement in the reaction vessels of a multi-product plant

- Reliable measurement independent of foam and internals
- Welded measuring cell ensures aseptic operation
- Additional measured values, e.g. static pressure

### VEGABAR 81

Pressure transmitter for measuring process pressure in the reaction vessels of a multi-product facility

- High overload and vacuum resistance
- Universally applicable at process temperatures up to +400° C, regardless of the process type (batch)
- Diaphragm and flange materials are corrosion resistant even in the most aggressive media

### VEGASWING 61

Vibrating level switch for level detection in the reaction vessels of a multi-product facility

- Ideal level alarm for all liquid media, regardless of viscosity
- Thanks to the exact switching point, the entire tank capacity can be utilized, ensuring efficient production with changing media
- An enamel coating guarantees a long service life for the sensor and protects it against corrosive media

## VEGADIF 85

Measuring range - Pressure
-16 ... 16 bar

Process temperature
-40 ... 120 °C

Process pressure
-1 ... 400 bar

Accuracy
0.065 %

Materials, wetted parts
316L
Tantalum
Alloy C276 (2.4819)
Monel

Threaded connection
¼ - 18 NPT

Flange connection
≥ DN32, ≥ 1⅜"

Seal material
EPDM
FKM
Copper

Housing material
Plastic
Aluminium
Stainless steel (precision casting)
Stainless steel (electropolished)

Protection rating
IP66/IP68 (0,2 bar)
IP66/IP67
IP66/IP68 (1 bar)

## VEGABAR 81

Measuring range - Distance
-

Measuring range - Pressure
-1 ... 1000 bar

Process temperature
-90 ... 400 °C

Process pressure
-1 ... 1000 bar

Accuracy
0.2 %

Materials, wetted parts
Alloy C22 (2.4602)
Alloy 400 (2.4360)
Tantalum
Alloy C276 (2.4819)
Duplex (1.4462)
Titanium Grade 2 (3.7035)
1.4435
316/316L
Titanium Grade 7 (3.7235)

Threaded connection
≥ G½, ≥ ½ NPT

Flange connection
≥ DN25, ≥ 1"

Hygenic fittings
Clamp ≥ 1" - DIN32676, ISO2852
Slotted nut ≥ 1½", ≥ DN40 - DIN 11851
hygienic fitting with tension flange DN32
hygienic fitting F40 with compression nut
Hygienice flange connection ≥ DN50 DIN11864-2
Hygienic fittings ≥ DN40 - DIN11864-1-A

Seal material
no media contact

## VEGASWING 61

Measuring range - Distance
-

Process temperature
-50 ... 250 °C

Process pressure
-1 ... 64 bar

Version
Standard
Hygienic applications
with gas-tight leadthrough
with temperature adapter

Materials, wetted parts
PFA
316L
Alloy C22 (2.4602)
Alloy 400 (2.4360)
ECTFE
Enamel

Threaded connection
≥ G¾, ≥ ¾ NPT

Flange connection
≥ DN25, ≥ 1"

Hygenic fittings
Clamp ≥ 1" - DIN32676, ISO2852
Slotted nut ≥ 1½", ≥ DN40 - DIN 11851
Varivent ≥ DN25
hygienic fitting F40 with compression nut
SMS 1145 DN51
SMS DN38
Hygienic fittings ≥ DN25 - DIN11864-1-A
Hygienic flange connection DIN11864-2-A; DN60(ISO)ø60,3
SMS socket piece DN38 PN6

Seal material
no media contact

Housing material
Plastic
Aluminium
Stainless steel (precision casting)
Stainless steel (electropolished)