



### 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

## Reaction vessel

### 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.

#### More details



#### 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

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#### 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

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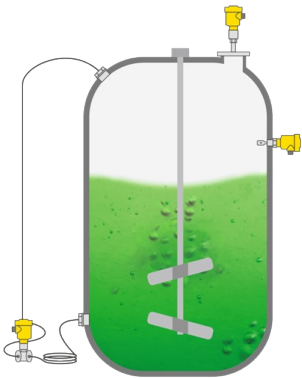



#### VEGASWING 61


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

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PRO
<b>VEGADIF 85</b> <a href="#">Show Product</a>

<b>Measuring range - Pressure</b> -16 ... 16 bar
<b>Process temperature</b> -40 ... 105 °C
<b>Process pressure</b> -1 ... 400 bar
<b>Accuracy</b> 0.065 %
<b>Materials, wetted parts</b> 316L Tantalum Alloy C276 (2.4819) Monel
<b>Threaded connection</b> ¼ - 18 NPT
<b>Flange connection</b> ≥ DN32, ≥ 1½"
<b>Seal material</b> EPDM FKM Copper
<b>Housing material</b> Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)
<b>Protection rating</b> IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar)

PRO
<b>VEGABAR 81</b> <a href="#">Show Product</a>

<b>Measuring range - Distance</b> -
<b>Measuring range - Pressure</b> -1 ... 1000 bar
<b>Process temperature</b> -90 ... 400 °C
<b>Process pressure</b> -1 ... 1000 bar
<b>Accuracy</b> 0.2 %
<b>Materials, wetted parts</b> 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)
<b>Threaded connection</b> ≥ G½, ≥ ½ NPT
<b>Flange connection</b> ≥ DN25, ≥ 1"
<b>Hygienic fittings</b> Clamp ≥ 1" - DIN32676, ISO2852 Slotted nut ≥ 1½", ≥ DN40 - DIN 11851 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut Hygiene flange connection ≥ DN50 DIN11864-2 Hygienic fittings ≥ DN40 - DIN11864-1-A
<b>Seal material</b> no media contact

PRO
<b>VEGASWING 61</b> <a href="#">Show Product</a>

<b>Measuring range - Distance</b> -
<b>Process temperature</b> -50 ... 250 °C
<b>Process pressure</b> -1 ... 64 bar
<b>Version</b> Standard Hygienic applications with gas-tight leadthrough with temperature adapter
<b>Materials, wetted parts</b> PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) ECTFE Enamel
<b>Threaded connection</b> ≥ G¾, ≥ ¾ NPT
<b>Flange connection</b> ≥ DN25, ≥ 1"
<b>Hygienic fittings</b> 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
<b>Seal material</b> no media contact
<b>Housing material</b> Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)