



### Reliable

Reliable and safe measurement in all media

### Cost effective

Full utilization of the tank volume

### User friendly

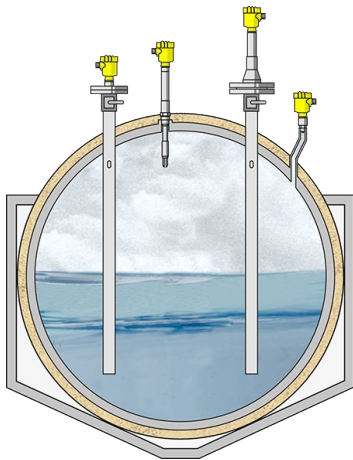
Simple planning and commissioning

## Cargo tanks on LNG carriers

### Pressure, level and point level detection in Liquid Natural Gas (LNG) applications

Liquefied gas is transported in insulated cargo tanks on LNG carriers at temperatures of  $-162\text{ }^{\circ}\text{C}$ . The instrumentation used must be specially designed for these extreme temperatures. Pressure, level and point level of LNG in the cargo tanks must be reliably measured for the transport.

[更多细节](#)



#### VEGAPULS 6X

Radar sensor for non-contact level measurement in LNG tanks

- Front-flush PTFE antenna means no additional sealing material is required
- Reliable measurement even at very low temperatures down to  $-200\text{ }^{\circ}\text{C}$
- Exact measurement data despite low relative permittivity of the liquefied gas

[产品细节](#)



#### VEGABAR 82

Pressure transmitter for monitoring the pressure in the liquid gas tank

- High plant availability through maximum overload resistance of the ceramic measuring cell
- A special seal material and the dry measuring cell enable measurement at temperatures down to  $-50\text{ }^{\circ}\text{C}$

[产品细节](#)



#### VEGASWING 66

Vibrating level switch for point level detection in liquid gas tank

- Sensor for applications down to a temperature of  $-196\text{ }^{\circ}\text{C}$
- Switching point independent of changing media
- Reliable even with adhesive buildup

[产品细节](#)

**VEGA**

PRO
<b>VEGAPULS 6X</b> 产品细节

<b>量程 - 距离</b> 120 m
<b>过程温度</b> -196 ... 450 °C
<b>过程压力</b> -1 ... 160 bar
<b>测量精度</b> ± 1 mm
<b>Frequency</b> 6 GHz 26 GHz 80 GHz
<b>Beam angle</b> ≥ 3°
<b>接液材质</b> PTFE PVDF 316L PP PEEK
<b>螺纹连接</b> ≥ G¾, ≥ ¾ NPT
<b>法兰连接</b> ≥ DN20, ≥ ¾"
<b>卫生型连接</b> Clamp ≥ 1½" - DIN32676, ISO2852 管螺栓 ≥ 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 Hygienic flange connection ≥ DN50 DIN11864-2 Hygienic clamp connection ≥ DN50 pipe Ø53 - DIN11864-3-A DRD connection ø 65 mm SMS 1145 DN51

PRO
<b>VEGABAR 82</b> 产品细节

<b>量程 - 距离</b> -
<b>量程-压力</b> -1 ... 100 bar
<b>过程温度</b> -40 ... 150 °C
<b>过程压力</b> -1 ... 100 bar
<b>测量精度</b> 0,05 %
<b>接液材质</b> PVDF 316L 镍基热强合金 C22 PP 1.4057 1.4410 Alloy C276 (2.4819) 不锈钢 Duplex (1.44562) Titan Grade 2 (3.7035)
<b>螺纹连接</b> ≥ G½, ≥ ½ NPT
<b>法兰连接</b> ≥ DN15, ≥ ½"
<b>卫生型连接</b> Clamp ≥ 1" - DIN32676, ISO2852 管螺栓 ≥ DN25 - DIN 11851 hygienic fitting with tension flange DN32 hygienic fitting F40 with compression nut DRD connection ø 65 mm SMS 1145 DN51 SMS DN38 Swagelok VCR screwing Varivent G125 Varivent N50-40 用于 NEUMO BioControl D50 PN16 / 316L
<b>密封材料</b> EPDM FKM FFKM

PRO
<b>VEGASWING 66</b> 产品细节

<b>过程温度</b> -196 ... 450 °C
<b>过程压力</b> -1 ... 160 bar
<b>型式</b> Compact version with gas-tight leadthrough 带管延长件
<b>接液材质</b> 316L 镍基热强合金 C22 Inconel 718
<b>螺纹连接</b> G1, 1 NPT, R1
<b>法兰连接</b> ≥ DN50, ≥ 2"
<b>密封材料</b> no media contact
<b>外壳材料</b> 塑料 铝Aluminium 不锈钢, 精密铸件 不锈钢, 经电解抛光
<b>保护方式</b> IP66/IP67 IP66/IP68 (1 bar) IP65
<b>输出</b> 继电器 (DPDT) 晶体管 (NPN/PNP) 两线制