



### Reliable

Maximum safety for humans and the environment

### Cost effective

Reliable measurement of the amount of water in all tanks

### User friendly

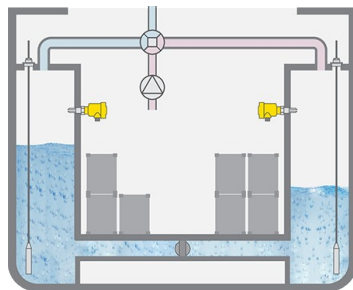
Simple installation and maintenance-free operation

## Anti-heeling system

### Level measurement and point level detection in the ballast water tanks

Ship heeling caused by high winds, uneven cargo loading or the forces of sharp turns is counteracted by anti-heeling systems. To counter these conditions, ballast tanks are connected to each other by means of pipe systems. Depending on the attitude of the ship, the tanks are either blown out or flooded by means of compressed air blowers or pumps. Reliable level measurement is needed to control this system.

[Mais detalhes](#)



### VEGASWING 61

Vibrating level switch as overfill and pump dry run protection in the ballast tanks

- Wear and maintenance-free, as no mechanical moving parts involved
- Reliable detection of the limit level without adjustment
- Durable device with seawater resistant materials

[Para o produto](#)



### VEGAWELL 52

Hydrostatic level measurement in the wing tank

- Precise level measurement and control of the anti-heeling system
- Fast response and excellent long-term stability with oil-free, ceramic-capacitive CERTEC® measuring cell
- Reliable measurement even under extreme pressure shocks thanks to overload resistant ceramic CERTEC® measuring cell

[Para o produto](#)

PRO

PRO

**VEGASWING 61**

Para o produto

**VEGAWELL 52**

Para o produto

**Faixa de medição - Distância**

-

**Faixa de medição - Pressão**

0 ... 60 bar

**Temperatura do processo**

-50 ... 250 °C

**Temperatura do processo**

-20 ... 80 °C

**Pressão do processo**

-1 ... 64 bar

**Pressão do processo**

-

**Versão**

Standard  
 Aplicações higiênicas  
 with gas-tight leadthrough  
 com adaptador de temperatura

**Precisão**

0.1 %

**Materiais, partes molhadas**

PFA  
 316L  
 Alloy C22 (2.4602)  
 Alloy 400 (2.4360)  
 ECTFE  
 Enamel

**Materiais, partes molhadas**

PVDF  
 316L  
 Duplex (1.4462)  
 FEP  
 PE  
 1.4301  
 Titanium

**Conexão roscada**≥ G $\frac{3}{4}$ , ≥  $\frac{3}{4}$  NPT**Material de vedação**

EPDM  
 FKM  
 FFKM

**Conexão flangeada**

≥ DN25, ≥ 1"

**Classificação de proteção**

IP66/IP67  
 IP68

**Acessórios higiênicos**

Clamp ≥ 1" - DIN32676, ISO2852  
 Porca com fenda ≥ 1 $\frac{1}{2}$ ", ≥ DN40 - DIN 11851  
 Varivent ≥ DN25  
 conexão higiênica F40 com porca de compressão  
 SMS 1145 DN51  
 SMS DN38  
 Acessórios higiênicos ≥ DN25 - DIN11864-1-A  
 Conexão de flange higiênica DIN11864-2-A;  
 DN60(ISO)ø60,3  
 Peça de soquete SMS DN38 PN6

**Saída**

4 ... 20 mA  
 Two-wire: 4 ... 20 mA/HART

**Material de vedação**

Sem contato com o processo

**Temperatura ambiente**

-40 ... 80 °C

**Material do invólucro**

Plástico  
 Alumínio  
 Plástico  
 Aço inoxidável (eletropolido)