



Reliable

Maximum safety for humans and the environment

Cost effective

Reliable measurement of the amount of water in all tanks

User friendly

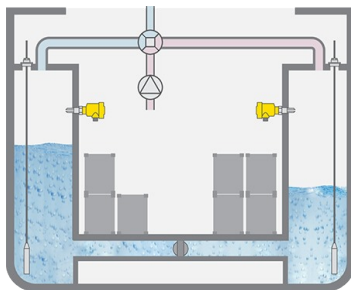
Simple installation and maintenance-free operation

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.

[More details](#)



VEGASWING 61

Vibrating level switch as overflow 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

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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

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PRO

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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
≥ G $\frac{3}{4}$, ≥ $\frac{3}{4}$ NPT
Flange connection

≥ DN25, ≥ 1"

Hygienic fittings

Clamp ≥ 1" - DIN32676, ISO2852
 Slotted nut ≥ 1 $\frac{1}{2}$ ", ≥ 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)

PRO

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Measuring range - Pressure

0 ... 60 bar

Process temperature

-20 ... 80 °C

Process pressure

-

Accuracy

0.1 %

Materials, wetted parts

PVDF
 316L
 Duplex (1.4462)
 FEP
 PE
 1.4301
 Titanium

Seal material

EPDM
 FKM
 FFKM

Protection rating

IP66/IP67
 IP68

Output

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

Ambient temperature

-40 ... 80 °C