



#### Reliable

Maximum safety for humans and the environment

#### Cost effective

Reliable measurement of the amount of water in all tanks

#### User friendly

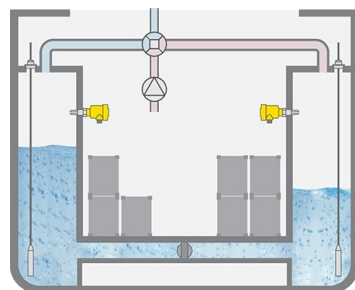
Simple installation and maintenance-free operation

## 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 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

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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	PRO
<b>VEGASWING 61</b> <a href="#">Show Product</a>	<b>VEGAWELL 52</b> <a href="#">Show Product</a>
	
<b>Measuring range - Distance</b> -	<b>Measuring range - Pressure</b> 0 ... 60 bar
<b>Process temperature</b> -50 ... 250 °C	<b>Process temperature</b> -20 ... 80 °C
<b>Process pressure</b> -1 ... 64 bar	<b>Process pressure</b> -
<b>Version</b> Standard Hygienic applications with gas-tight leadthrough with temperature adapter	<b>Accuracy</b> 0.1 %
<b>Materials, wetted parts</b> PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360) ECTFE Enamel	<b>Materials, wetted parts</b> PVDF 316L Duplex (1.4462) FEP PE 1.4301 Titanium
<b>Threaded connection</b> ≥ G¾, ≥ ¾ NPT	<b>Seal material</b> EPDM FKM FFKM
<b>Flange connection</b> ≥ DN25, ≥ 1"	<b>Protection rating</b> IP66/IP67 IP68
<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>Output</b> 4 ... 20 mA Two-wire: 4 ... 20 mA/HART
<b>Seal material</b> no media contact	<b>Ambient temperature</b> -40 ... 80 °C
<b>Housing material</b> Plastic Aluminium Stainless steel (precision casting) Stainless steel (electropolished)	