

#### Reliable

Maximum safety for humans and the environment

## Cost effective

Reliable measurement of the amount of water in all tanks

#### **User friendly**

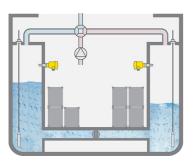
Simple installation and maintenance-free operation

# 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

## **Show Product**

# **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, ceramiccapacitive CERTEC® measuring cell
- Reliable measurement even under extreme pressure shocks thanks to overload resistant ceramic CERTEC® measuring cell

#### **Show Product**



PRO	PRO
VEGASWING 61 Show Product	VEGAWELL 52 Show Product
Measuring range - Distance -	Measuring range - Pressure 0 60 bar
Process temperature	Process temperature
-50 250 °C	-20 80 °C
Process pressure -1 64 bar	Process pressure
Version Standard Hygienic applications with gas-tight leadthrough with temperature adapter Materials, wetted parts PFA 316L Alloy C22 (2.4602) Alloy 400 (2.4360)	Accuracy 0.1 %
	Materials, wetted parts PVDF
ECTFE Enamel	Seal material
Threaded connection ≥ G¾, ≥ ¾ NPT	EPDM FKM FFKM
Flange connection ≥ DN25, ≥ 1"	Protection rating IP66/IP67 IP68
Hygenic fittings   Clamp ≥ 1" - DIN32676, ISO2852   Slotted nut ≥ 1½", ≥ DN40 - DIN 11851   Varivent ≥ DN25	<b>Output</b> 4 20 mA Two-wire: 4 20 mA/HART
hygienic fitting F40 with compression nut SMS 1145 DN51 SMS DN38	Ambient temperature -40 80 °C
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)

