



## Ballast tanks

Reliable

High platform stability through reliable measurement

Cost effective

Long service life thanks to resistant materials

User friendly

Simple installation and maintenance-free operation

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

Floating drilling or pumping assets such as platforms or FPSOs are stabilized by filling or emptying ballast tanks with seawater. This enables operators to critically and safely manage the ballast and trim of a vessel according to operational needs, deck loading and sea conditions. For trouble-free operation of the ballast system and the safety of personnel and equipment on board, reliable level measurement and point level detection are absolutely essential.

#### ▫ VEGAWELL 52

Hydrostatic pressure transmitter for level measurement in the ballast tanks

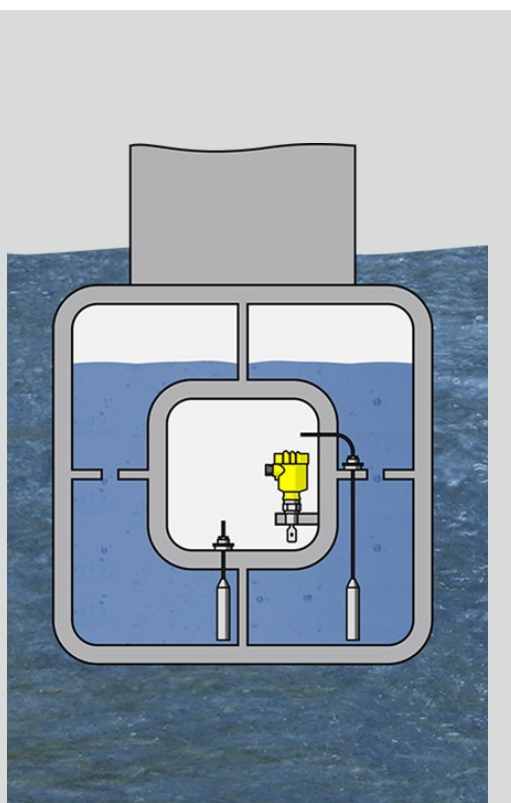
- High measuring accuracy increases safety on board
- Reliable and durable measurement ensured through robust, seawater resistant construction of sensor
- Simple installation from above



#### VEGASWING 61

Vibrating level switch for leakage detection in the ballast tanks

- High process reliability through SIL2 qualification
- Simple function test from the control room possible
- Maintenance-free operation





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