



#### Reliable

High reliability thanks to robust ceramic measuring cell

#### Cost effective

Accurate measurement to protect pumps

#### User friendly

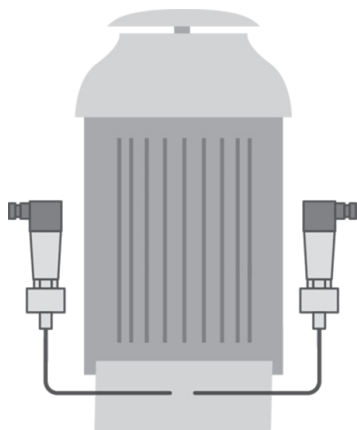
Simple setup and commissioning thanks to plug and play

## Pumps in ballast water tanks

### Monitoring of pump pressure in ballast water tanks

Ballast water is taken on board seagoing vessels to ensure the stability of the ship when sailing with little or no cargo. The water is stored in ballast water tanks. To monitor the function of the pumps, appropriate pressure measurements are employed – pump failure can thus be detected immediately.

[More details](#)



### VEGABAR 28

Pressure measurement for monitoring pump pressure in ballast water tanks

- Reliable measurement thanks to robust ceramic measuring cell
- Easy installation thanks to compact design
- Reliable measured values despite constant vibration on the ship

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**VEGABAR 28**[Show Product](#)**Measuring range - Pressure**

-1 ... 60 bar

**Process temperature**

-40 ... 130 °C

**Accuracy**

0.3 %

**Materials, wetted parts**

PVDF  
 Duplex (1.4462)  
 Ceramic  
 316/316L

**Threaded connection**≥ G $\frac{1}{4}$ , ≥  $\frac{1}{4}$  NPT**Hygienic fittings**

Clamp ≥ 2" - DN50 - DIN32676, ISO2852  
 Clamp ≥ 1" - DIN32676, ISO2852  
 Clamp ≥ 1½" - DIN32676, ISO2852  
 Slotted nut ≥ DN25 - DIN 11851  
 Slotted nut ≥ DN32 - DIN 11851  
 SMS 1145 DN51  
 SMS DN38  
 Hygienic fittings ≥ DN25 - DIN11864-1-A  
 Hygienic fittings ≥ DN40 - DIN11864-1-A  
 Varivent N50-40  
 SMS DN25  
 Ingold connection PN10  
 Varivent F25

**Seal material**

EPDM  
 FKM  
 FFKM

**Protection rating**

IP65  
 IP68 (0,5 bar)/IP69

**Output**

4 ... 20 mA  
 Three-wire (PNP/NPN, 4 ... 20 mA)  
 IO-Link

**Ambient temperature**

-40 ... 70 °C