



#### Reliable

Reliable operation under all operating conditions

#### Cost effective

Maintenance-free operation of the plant

#### User friendly

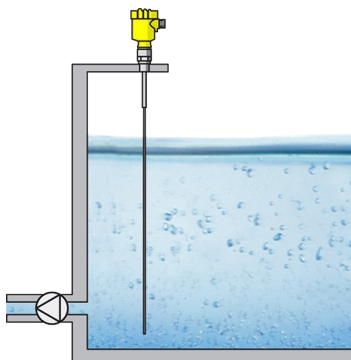
Simple mounting and setup

## Cooling tower basin

### Cooling tower basin level measurement

At the bottom of the cooling tower there are nozzles for atomizing and cooling incoming hot water. As the heated water is sprayed up inside the cooling tower, it warms the air, which expands, flows upward creating updraft which pulls fresh cold air up through the slatted bottom. Draft eliminators inside the cooling tower cause the cooled water to form droplets and rain back down into the cooling tower basin. The water level in the cooling tower basin must be monitored continuously to optimise use of the circulation pumps and the cooling process.

[More details](#)



### VEGAFLEX 81

Level measurement with guided radar in the cooling tower basin

- Simple, maintenance-free measurement
- High measurement certainty, even in extremely wet conditions, independent of pressure fluctuations
- Proven measuring principle ensures high operational reliability

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**VEGAFLEX 81**[Show Product](#)**Measuring range - Distance**

75 m

**Process temperature**

-60 ... 200 °C

**Process pressure**

-1 ... 40 bar

**Accuracy**

± 2 mm

**Version**

Basic version for exchangeable cable  $\varnothing$  2;  $\varnothing$  4 mm  
 Basic version for exchangeable rod  $\varnothing$  8 mm  
 Basic version for exchangeable rod  $\varnothing$  12 mm  
 Coax version  $\varnothing$  21.3 mm for ammonia application  
 Coax version  $\varnothing$  21.3 mm with single hole  
 Coax version  $\varnothing$  21.3 mm with multiple hole  
 Coax version  $\varnothing$  42.2 mm with multiple hole  
 Exchangeable rod  $\varnothing$  8 mm  
 Exchangeable rod  $\varnothing$  12 mm  
 Exchangeable cable  $\varnothing$  2 mm with gravity weight  
 Exchangeable cable  $\varnothing$  4 mm with gravity weight  
 Exchangeable cable  $\varnothing$  2 mm with centering weight  
 Exchangeable cable  $\varnothing$  4 mm with centering weight  
 Exchangeable cable  $\varnothing$  4 mm without weight  
 exchangeable, PFA-coated cable  $\varnothing$  4 mm with non-coated  
 centering weight

**Materials, wetted parts**

PFA  
 316L  
 Alloy C22 (2.4602)  
 Alloy 400 (2.4360)  
 Alloy C276 (2.4819)  
 Duplex (1.4462)  
 304L

**Threaded connection** $\geq G\frac{3}{4}$ ,  $\geq \frac{3}{4}$  NPT**Flange connection** $\geq DN25$ ,  $\geq 1"$ **Seal material**

EPDM  
 FKM  
 FFKM  
 Silicone FEP coated  
 Borosilicate glass

**Housing material**

Plastic  
 Aluminium  
 Stainless steel (precision casting)  
 Stainless steel (electropolished)