

Reliable

Reliable operation under all operating conditions

Cost effective

Maintenance-free operation of the plant

User friendly

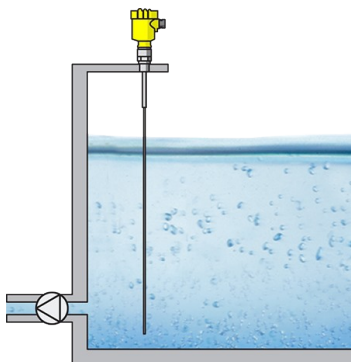
Simple mounting and setup

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 ø 2; ø 4 mm
 Basic version for exchangeable rod ø 8 mm
 Basic version for exchangeable rod ø 12 mm
 Coax version ø 21.3 mm for ammonia application
 Coax version ø 21.3 mm with single hole
 Coax version ø 21.3 mm with multiple hole
 Coax version ø 42.2 mm with multiple hole
 Exchangeable rod ø 8 mm
 Exchangeable rod ø 12 mm
 Exchangeable cable ø 2 mm with gravity weight
 Exchangeable cable ø 4 mm with gravity weight
 Exchangeable cable ø 2 mm with centering weight
 Exchangeable cable ø 4 mm with centering weight
 Exchangeable cable ø 4 mm without weight
 exchangeable, PFA-coated cable ø4 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

≥ G¾, ≥ ¾ NPT

Flange connection

≥ DN25, ≥ 1"

Seal material

EPDM
 FKM
 FFKM
 Silicone FEP coated
 Borosilicate glass

Housing material

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