



Cooling tower basin

Reliable

Reliable operation under all operating conditions

Cost effective

Maintenance-free operation of the plant

User friendly

Simple mounting and setup

Cooling tower basin level measurement

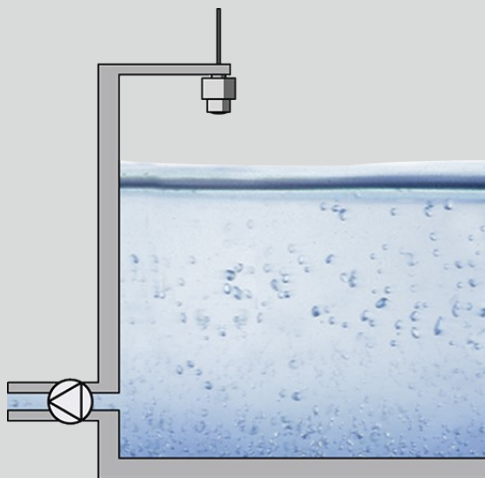
At the bottom of the cooling tower there are nozzles for atomizing and cooling incoming hot water. As the heated water is sprayed up inside the cooling tower, it warms the air, which expands, flows upward creating updraft which pulls fresh cold air up through the slatted bottom. Draft eliminators inside 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.



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





VEGAFLEX 81

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)