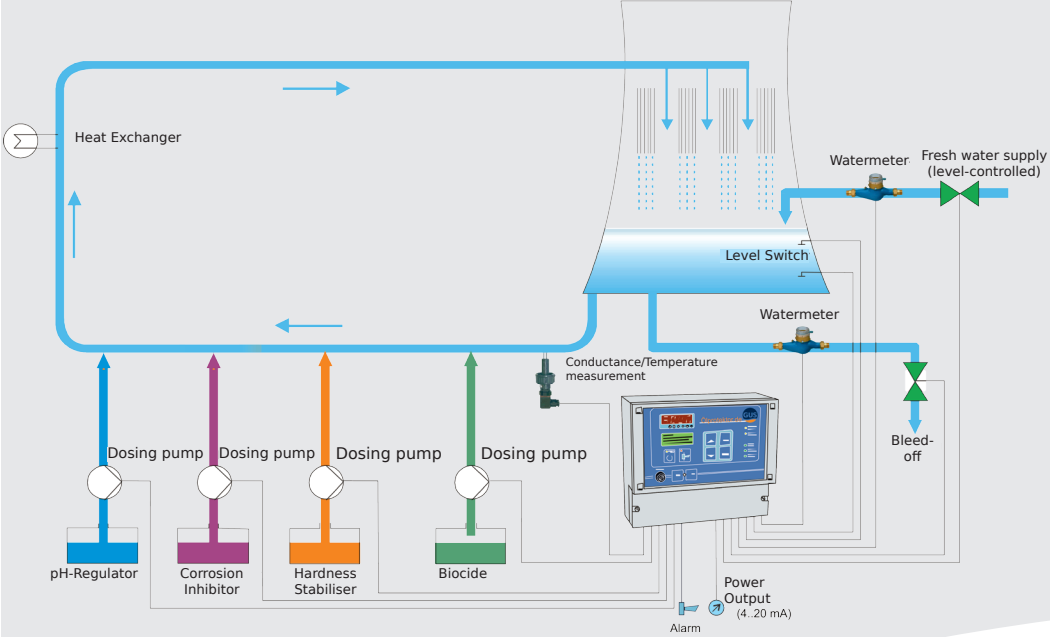

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KS cooling water control

- **Water treatment**

KS cooling water control

The use of untreated or partially softened water in water systems ultimately leads to problems.

The following occur:

- **Limescale deposits**
- **Bacteria and algae deposits**
- **Corrosion damage**

The **KS cooling water control**

- **Controls the water level in cooling water circuits,**
- **Prevents the cooling water from thickening (dissolved salts) fully automatically**
- **Determines the optimum dosage quantity for replenishment or bleeding off in terms of hardness stability, corrosion protection, pH regulation and water level.**

The KS cooling water control safeguards the conductivity and therefore optimal consistency of all important factors in the circulating water.

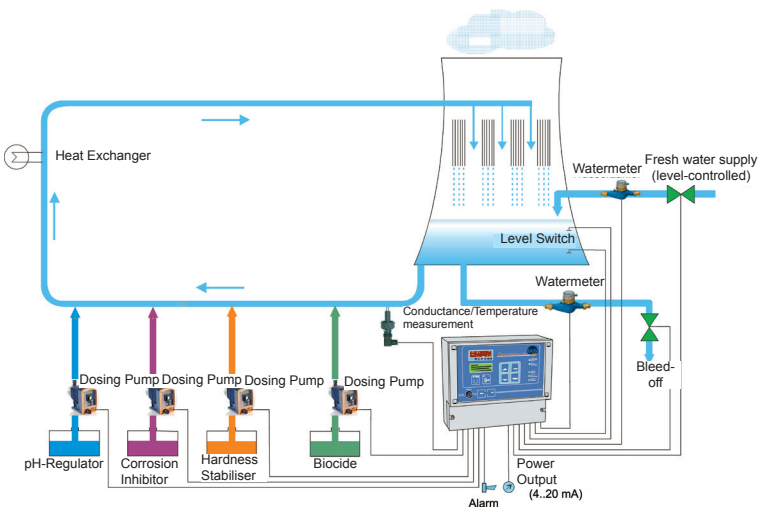
If a certain set value is reached in the automatic blowdown system, the blowdown valve opens and part of the circuit water is discharged into the sewer.

Control impulses are transferred to the dosing pumps and the required amount of inhibitor is fed directly into the circulating water so that has correct level of conductivity is provided again. The dosage is proportional to the amount of fresh water, guaranteeing a constant chemical concentrate value in the cooling water.

The biocide is regularly fed-in as a shock dosage through the biocide dosing pump.
This supply takes place based on time intervals and the dosage prevents the uncontrolled growth of algae, bacteria or fungi.

When a UV disinfection system is used, this makes the microorganisms die prematurely from cell damage in the shortest possible time.

Technical Specifications	KS cooling water control
Operating Voltage	230 V, 50 Hz
Fuse protection	4A T
Power consumption	approx. 8 VA (without external consumers)
Option: 24 V Version	24 V AC valve supply max. 20 VA Fuse protection 1 AT
Data retention in the event of a power failure	Operating data min. 72 hours configuration and parameter data securely archived in EEPROM
Outputs	2 phase changers (230V AC) 2 phased-assigned NO contacts (230V AC) 3 neutral changeover contacts 1 neutral contact
Relay contact data	230 V AC / 8 A (AgNi)
Inputs	6 Inputs via opto-coupler contact load
Optional	pH-value measuring module
Climatic Conditions	According to DIN EN 60204-1 (4-2010)
Ambient Temperature	Operation: -20..+55 °C Transport/Storage: -25..+55 °C
Housing	DIN plastic housing for wall mounting - IP54
Dimension	W / H / D: 212 x 184 x 94 mm



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