

AUTOMATIC BLEED

ECOSS STAINLESS STEEL EVAPORATIVE CONDENSER

Bleeding is necessary to avoid excessive concentration of salts that increase water hardness, or to drain oils and other impurities that may be in the recirculation water.

To ensure that the water parameters of the evaporative condenser are kept within the levels recommended by Güntner, ECOSS is equipped with an automatic bleed system.

Figure 1 shows the automatic bleed system installed on the equipment.

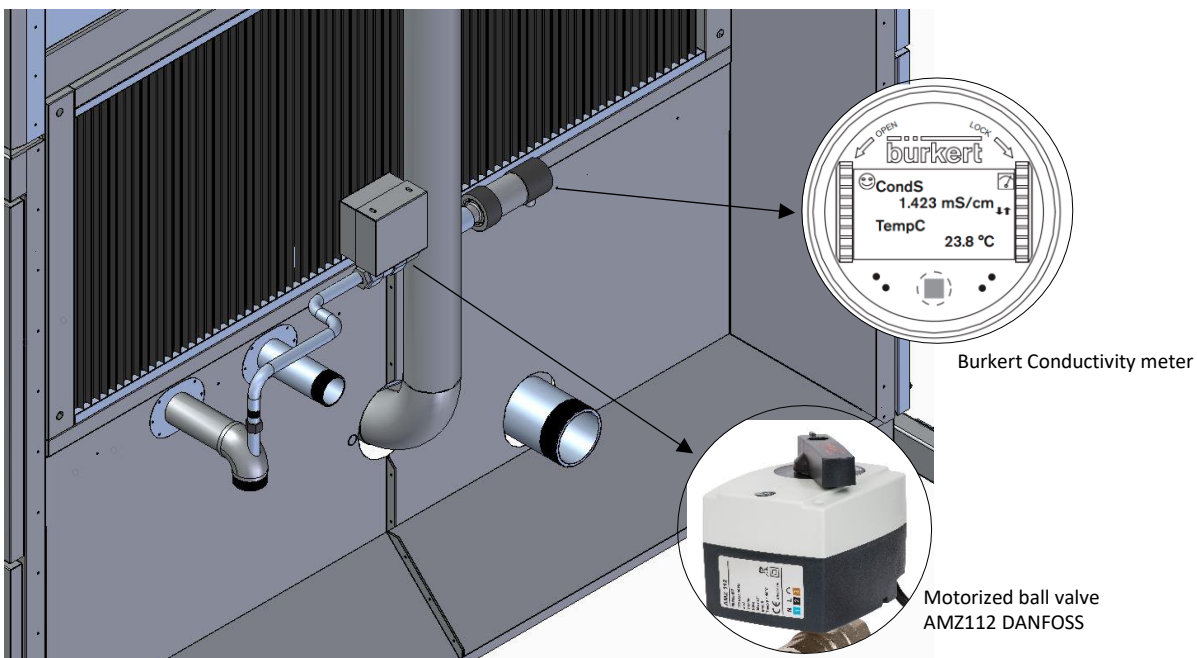


Figure 1 - Automatic bleed system

Operation

The flowchart in Figure 2 shows the operation of the automatic bleed system.

With the condenser enabled, emergency released and remote signal OK, the system starts to check if the water conductivity is above 2700 $\mu\text{S}/\text{cm}^2$ (Setpoint [SP]), if it is, then the bleed cycle is enabled and the bleed valve is opened for 120 seconds, and then closed for 300 seconds and then opens again, this cycle will be interrupted only if the conductivity reaches a value less than 1350 $\mu\text{S}/\text{cm}^2$ (Setpoint – hysteresis [SP-hysteresis]). This cycle will repeat indefinitely until the condenser is enabled.

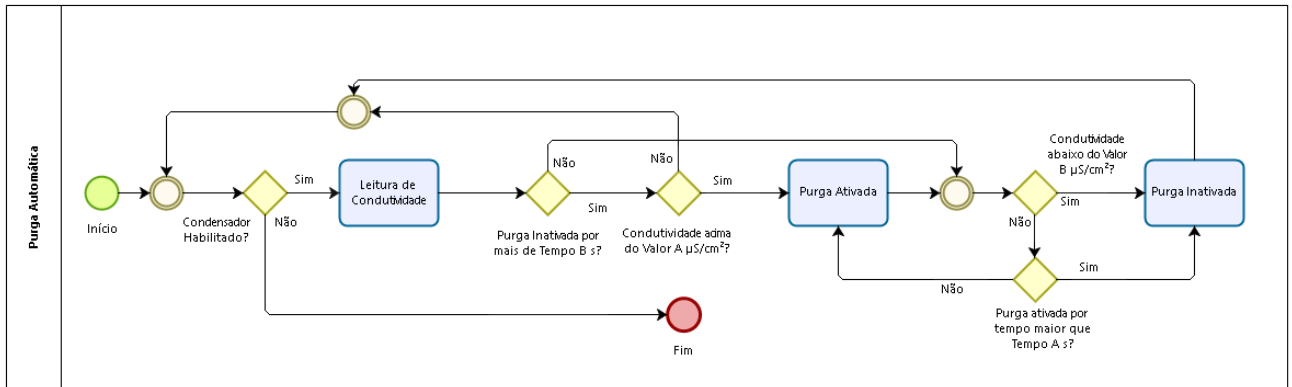


Figure 2 - Automatic bleed operation flowchart

Important!

The the bleed system setpoint can be changed only upon formal request to Güntner;
 The automatic bleed mechanism does not replace the water treatment, which should be guided by a specialized company;
 The DANFOSS AMZ112 motorized ball valve must always be protected with the stainless-steel housing shown in Figure 2. The absence of protection mischaracterizes a technical occurrence under warranty;
 Electrical/electronic components must be protected during equipment cleaning. Do not apply water with pressure to the components.

For more information, refer to our technical department.

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