BAVIERA
Steam Systems

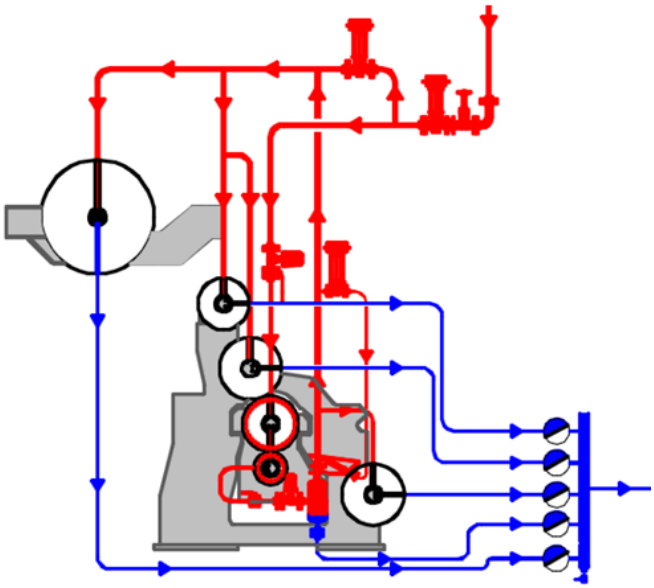
BAVIERA SYSTEM

- ✓ **Thermal** Transfer
- ✓ **Flexibility**
- ✓ **Energy** Efficiency
- ✓ Steam **Digitization**

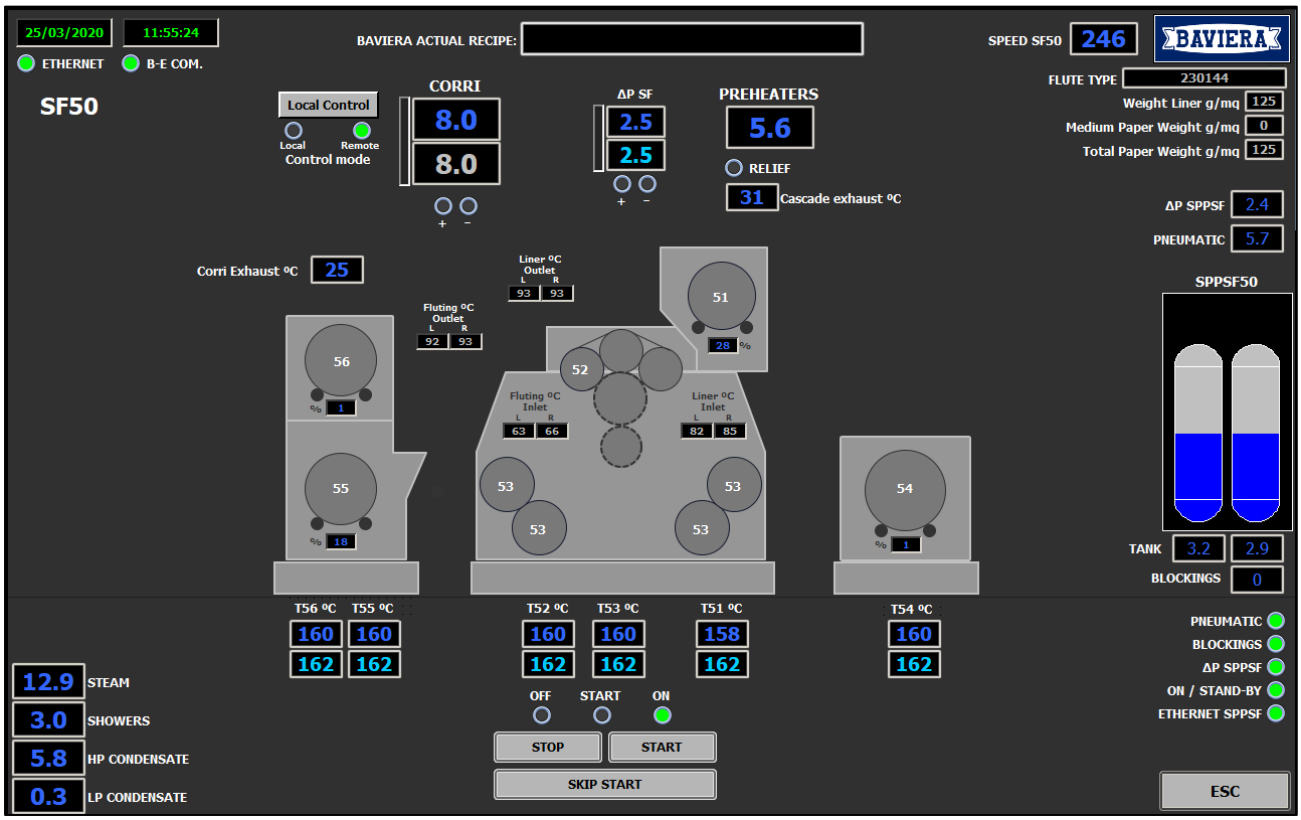
BROCHURE | **2021**

THERMAL TRANSFER

BAVIERA system optimizes the thermal transfer all along the corrugator. **Steam pressure is freely regulated.** Hybrid steam traps, working with actively controlled differential pressure, continuously purge the condensate, ensuring the best heating.



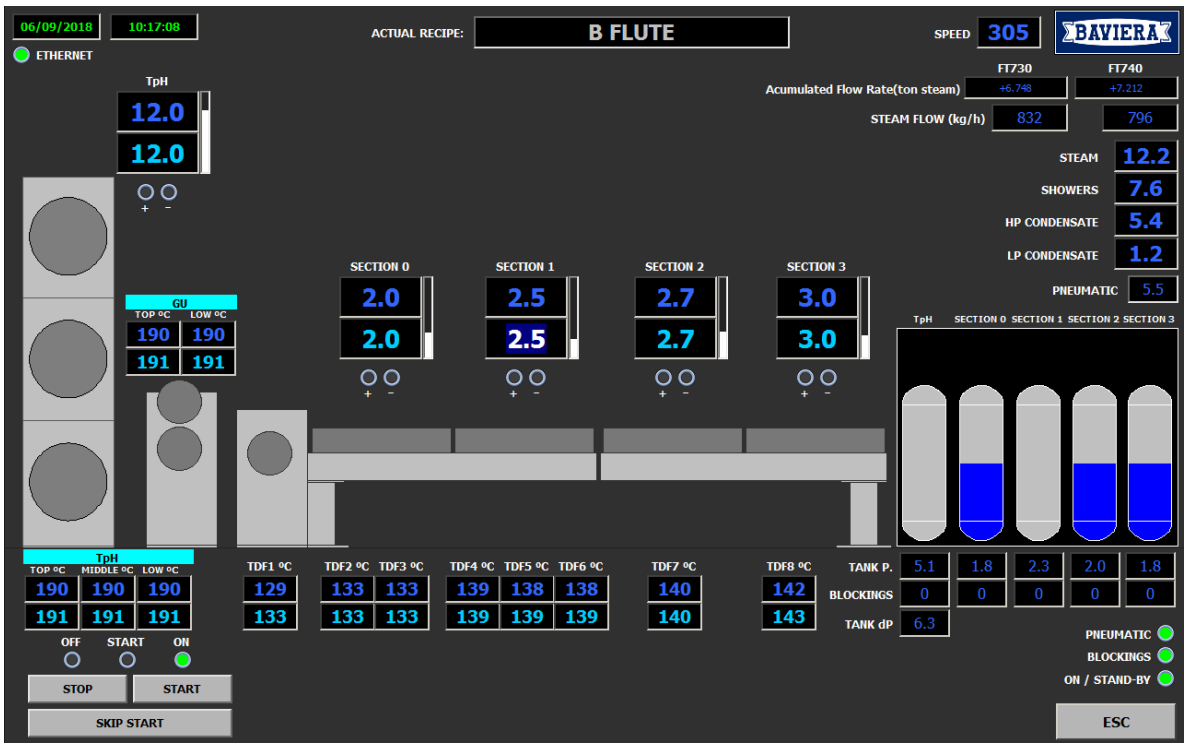
Additionally, the system surveys that thermal transfer is optimized and matches the regulated pressure. This surveillance is independent of pressure and differential pressure control and becomes corrective active control in the event of deviation, with the result that good heat transfer is double-ensured.



FLEXIBILITY

Steam pressure is completely **freely** regulated all along the corrugator. Just the necessary heat is applied at each point to optimize production quality, that allows adjusting the dosage of glue and the paper heating.

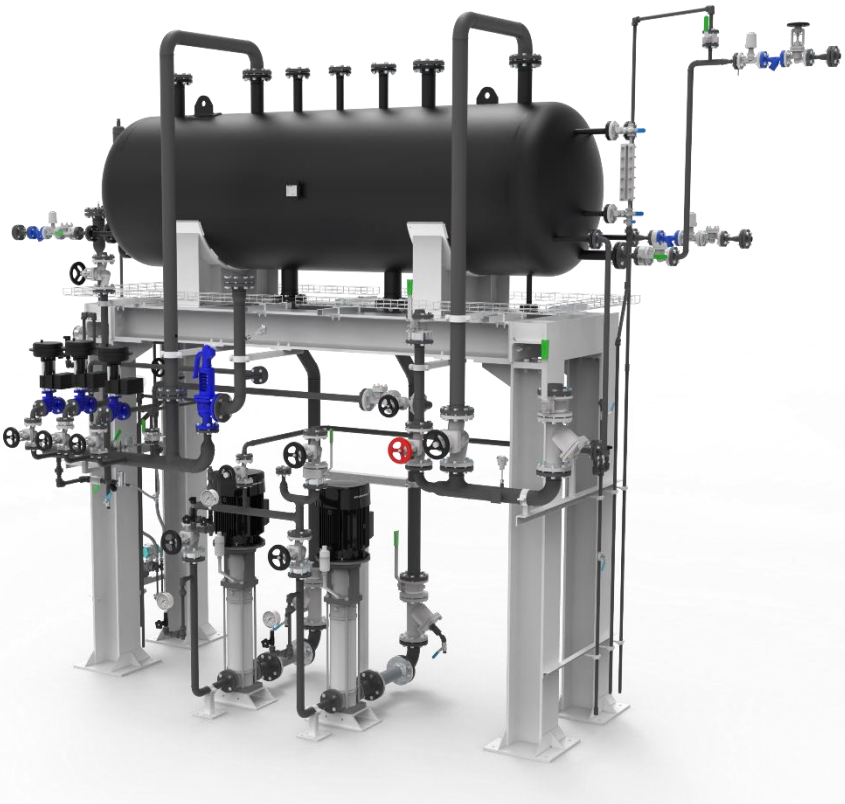
Digital steam pumps make free pressure regulation compatible with the simultaneous optimization of thermal transfer: in each single facer or hot plates section, its digital pump collects the condensate and pumps it with steam to its general recovery towards the boiler.

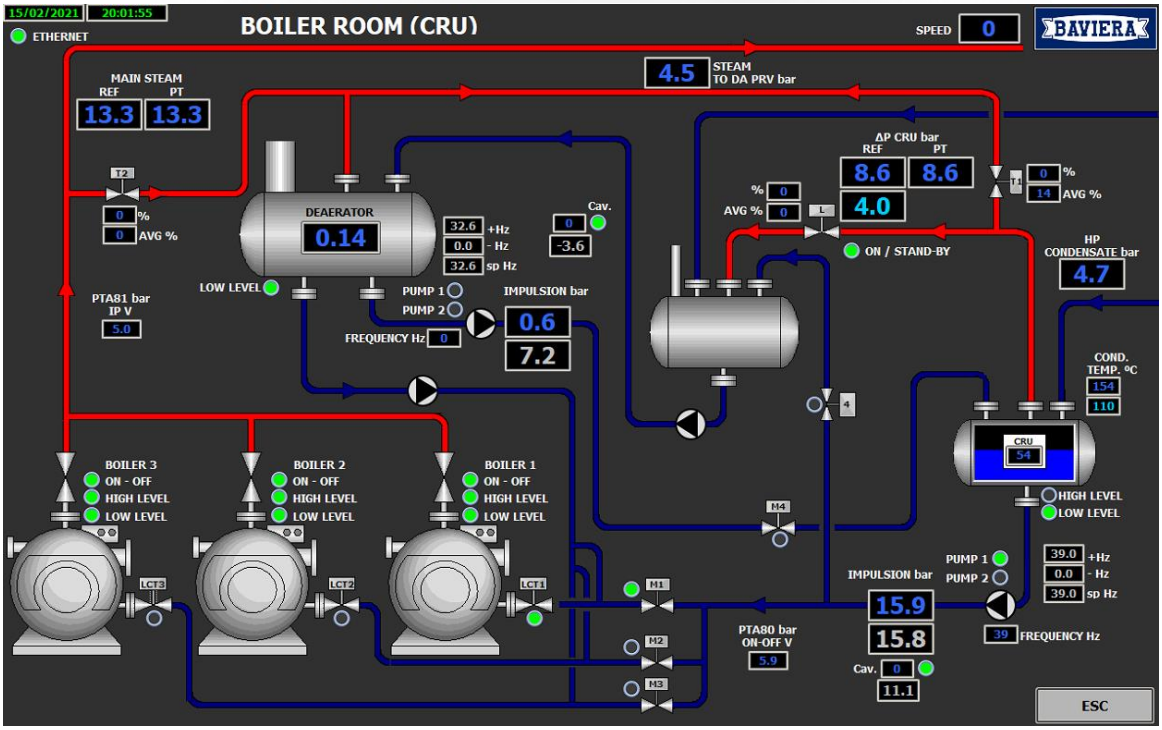


ENERGY EFFICIENCY

The steam – condensate cycle is closed with an efficiency of 100% and leads to an energy saving of 20% compared to open systems.

The corrugator condensate is recovered under pressure and high temperature in the CRU and fed directly to the boiler.



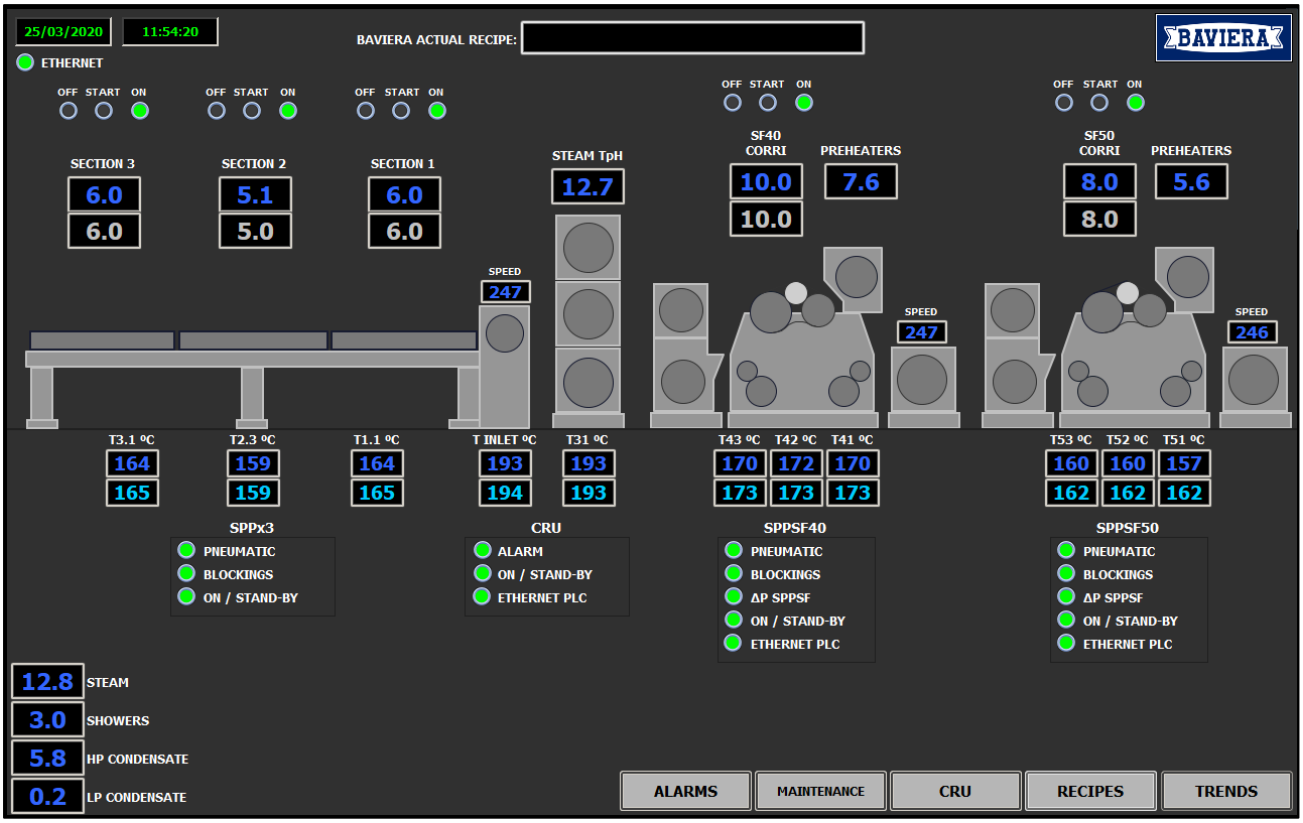


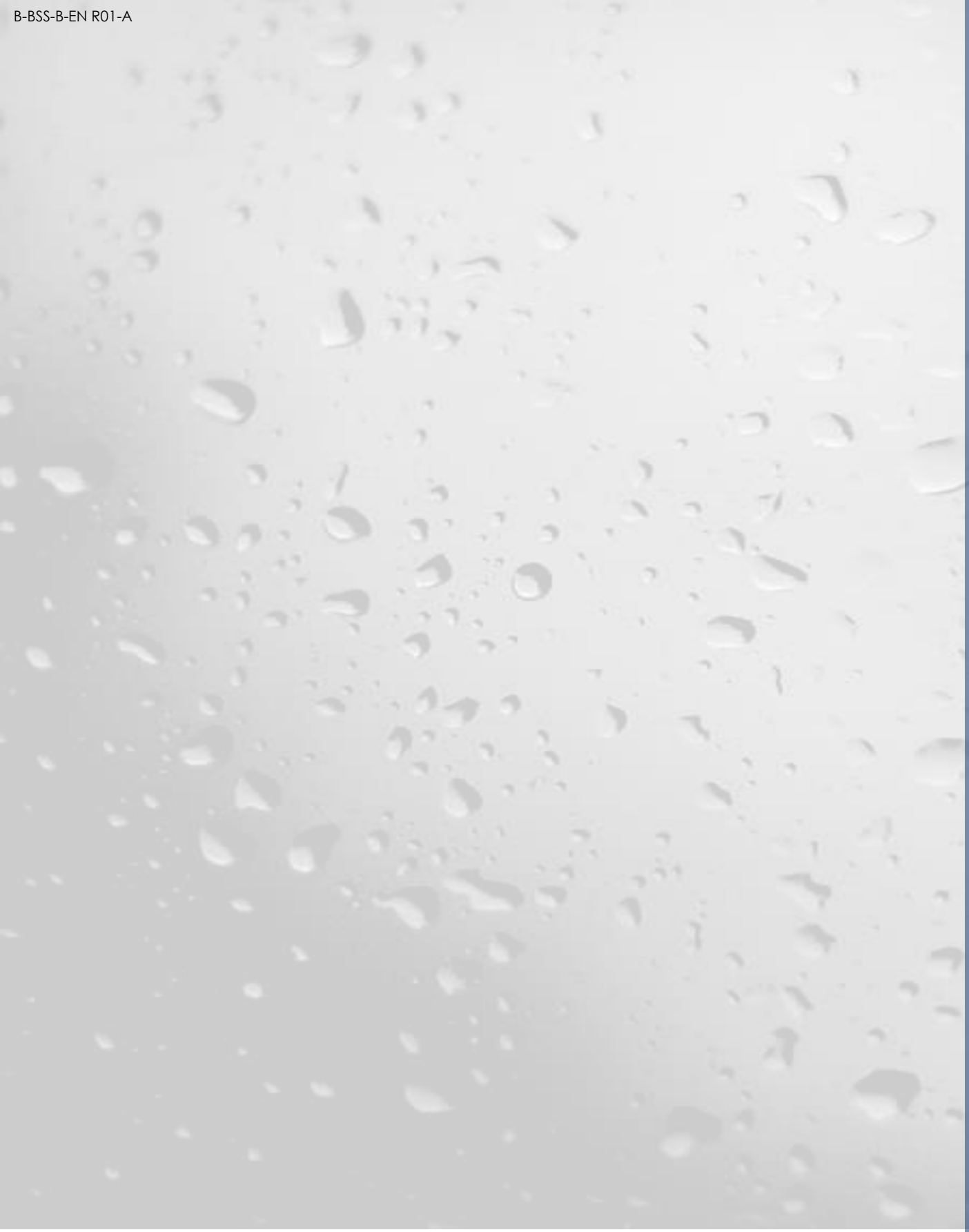
STEAM DIGITIZATION

BAVIERA system parameterizes the pressure and temperature of steam and condensate throughout the entire corrugator and also digitizes all the parameters referring to the actions of control and management of steam and condensates, which allows process control, independent monitoring of these, their datalogging and critical analysis, including the identification of singularities and their active correction, if needed.

The digitization of steam allows to visualize its behavior, which becomes understandable and an effective ally for production. The critical self-analysis of the parameters guides maintenance, making easier to achieve excellence in the steam system and consequently in the heating of the corrugator.

Finally, the parameterization of all the variables related to the corrugator's steam system allows BAVIERA's remote online assistance, with a quality of service even better than technicians visiting the plant. This remote service includes punctual assistance and enables the **corrugator steam excellence contract** with informed quarterly audits.





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