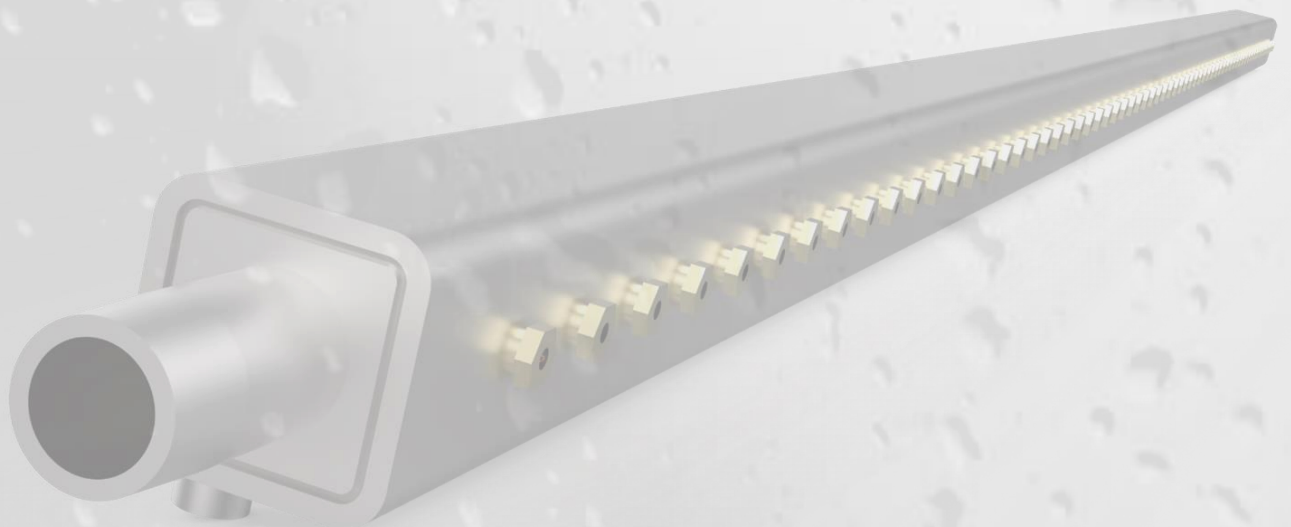
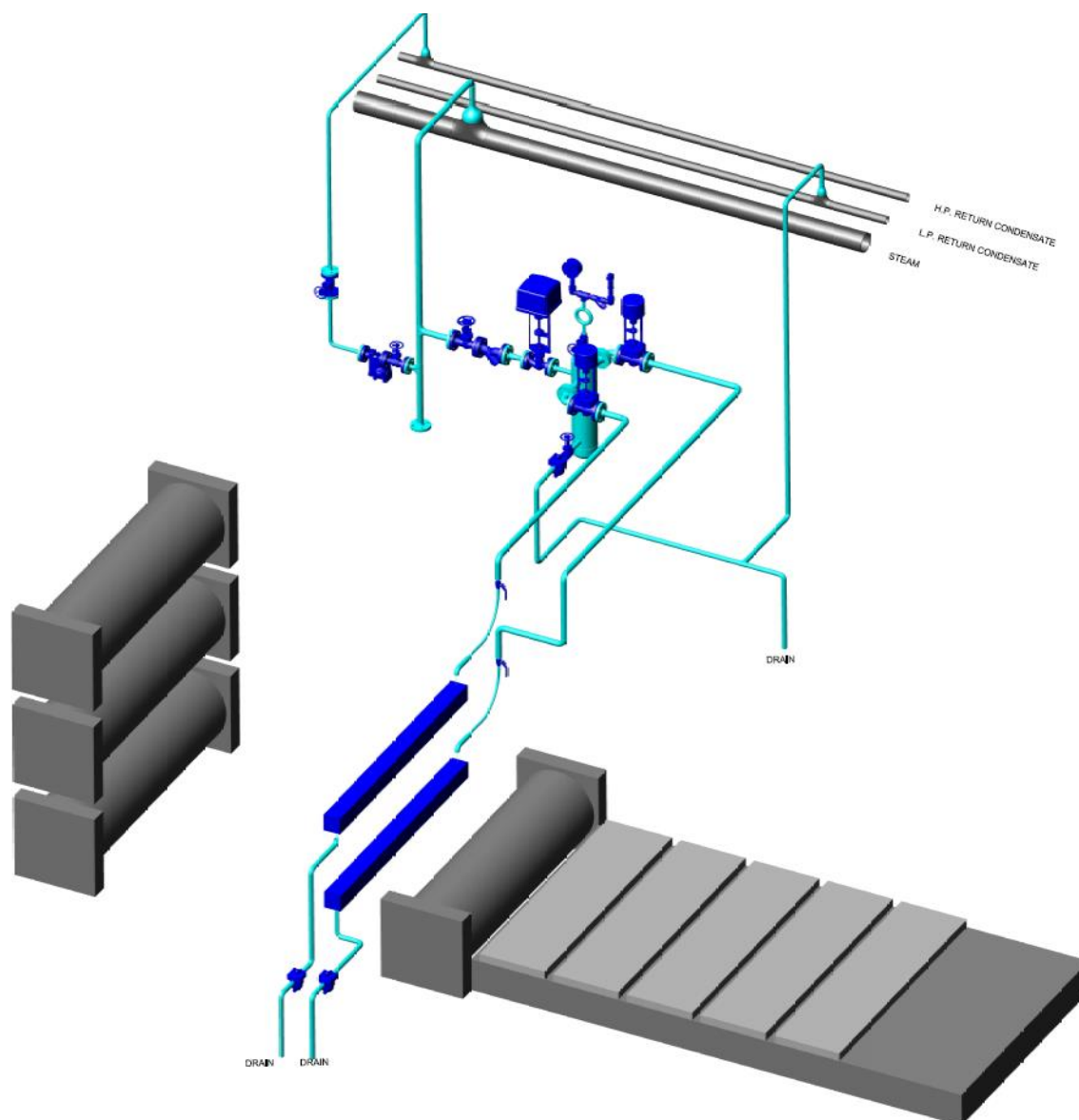


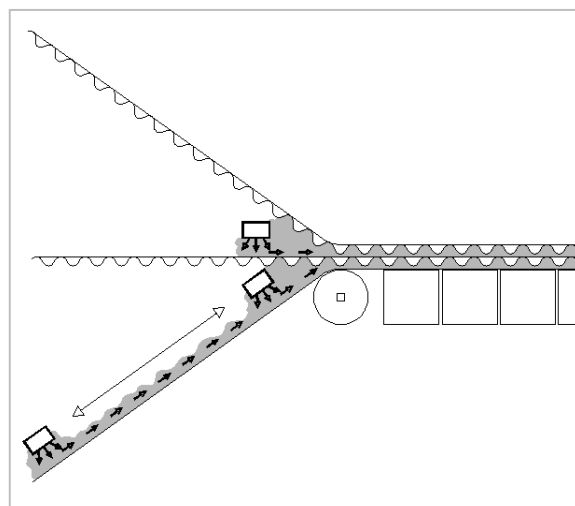
**S
A** **STEAM
ASSIST**



Steam application at the Double Backer inlet



- ✓ Preconditions the liners and enhances glue absorption.
- ✓ Preconditions the applied glue to lower its surface tension and improve adhesiveness.
- ✓ Improves the heat transfer by removing the air between layers.
- ✓ Moisturizes homogeneously the whole liner surface preventing the "washboard effect".



STEAM ASSIST

STEAM ASSIST has two steamers at the Double Facer inlet applying steam between the two single faces (upper steamer) and between central single face and Double Facer liner (lower steamer).

STEAM ASSIST conditions the Double Facer liner and the lower single face thanks to the humidification applied. It also generates a superficial layer of damp at the glue lines of the two single faces.

Finally, STEAM ASSIST pumps heat inside the bond central area of double wall board.



The bond of the two single faces is limiting double wall board production, especially when working with high weight papers such as agricultural grades, since it is very difficult to have heat reach the central part of the board because of the board's self-insulation effect, in opposition to the single facer B-liner bonding that is easily heated by means of the Double Facer's hot plates.

STEAM ASSIST is able to introduce up to 50 kg/h of steam inside the upper single face web channels that provide an effective heating that makes possible speed increases up to 10% in double wall and the heaviest grades, as it heats zones where Double Facer's hot plates cannot reach.

The equipment includes two steamers and a system of steam supply to these two steamers consisting of:

- Manual valve
- Strainer
- Pressure reducing valve
- Separator with drainage at its lower side
- 2 Control valves for steam supply to the two steamers
- Set of fittings and accessories to carry out connections
- Electric panel with control PLC which controls upper and/or lower STEAM ASSIST opening, provided with speed configurations to start up and with a production recipes program



[Watch the STEAM ASSIST video online](#)



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