Valmet’s advanced dewatering and drying solutions aim at improving paper quality and help enhance the production line’s runnability, capacity, speed, heat economy and reduce energy consumption.

The scope of improvements can be exactly defined through a customized dewatering and drying survey.

Optimized dryer section operation

Valmet Steam and Condensate Unit L*, equipped with a stationary siphon, performs with first class results. The unit conveys steam to the drying cylinder and removes condensate efficiently while requiring little maintenance. The unit excellently suits both medium and large paper, board and pulp drying machines that operate in all speed ranges and with all steam pressures of up to 11 bar/160 psi.

The unit provides efficient elimination of steam and air leaks, and is not sensitive to vibrations. Steam flows through a steam supply connection to the joint, from which it passes into a fixed steam pipe leading to the drying cylinder. Condensate is evacuated through siphon and a separate condensate pipe fitted inside the steam pipe. There are several configuration options available to suit different application needs: steam and condensate unit, condensate unit, steam unit, and water joint.

More tools to optimize your process

Valmet Steam and Condensate Unit L delivers the following benefits:

- Steady condensate removal
- Exact management of paper web edge areas thanks to the adjustable siphon clearance
- Easy maintenance due to lightweight construction
- Effective elimination of steam and air leaks through new, wear resistant seals
- Elimination of vibration through a rigid siphon support system
- Sturdy, corrosion resistant design
- Prevention of bearing damages thanks to the insulating sleeve which keeps inner ring and bearing lubrication oil temperature stable
- Easy-to-observe condensate removal and carbon seal condition
- Minimal need for spare parts

*earlier known as DriCombi