Valmet Dryer Cylinder Bars

Dryer bars for improved dryer cylinder temperature profile

Valmet’s advanced dewatering and drying solutions aim at improving paper quality and help enhance the production line’s runnability, capacity, energy consumption, heat economy and speed. The scope of improvement can be exactly defined through a customized dewatering and drying survey.

Valmet Dryer Cylinder Bars* are designed for optimized condensate removal to improve the heat transfer from steam to the paper.

Benefits

- Improved dryer cylinder surface temperature profiles which gives a more even moisture profile
- Possibility to drying capacity increase
- Savings in drying energy
- Improved runnability
- Better control of the steam and condensate system
- Easy on-site installation
- No mechanical attachments to the shell
- Maintenance free

Improved heat transfer from steam to paper

Do you require more drying capacity, savings in energy or a better moisture profile? Valmet Dryer Cylinder Bars are the solution to your needs.

Valmet Dryer Cylinder Bars improve heat transfer from steam to the dryer shell by generating turbulence in the condensate flow on the inner surface of the shell. This allows the steam to better heat the shell. The U-profiled mild steel bars are fixed on the shell’s inner surface with special straps. The design of the dryer bars and straps allows the thermal expansion of the dryer bars.

Valmet Dryer Cylinder Bars are needed when condensate rimming speed is achieved. Together with good siphons the dryer bars improve temperature profiles, increase drying capacity and improve runnability. These bars effectively break up the condensate layer inside the cylinder and produce a better heat transfer into the dryer shell. Special dryer bars are available for accurate edge area control.

*earlier known as DriBars

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