

Title (en)
DRYING ROLL

Title (de)
TROCKENZYLINDER

Title (fr)
CYLINDRE DE SECHAGE

Publication
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Application
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Abstract (en)
[origin: WO2006120121A2] The invention relates to a drying roll for drying a fibrous material web, in particular a paper, cardboard or tissue web in a machine for producing and/or finishing said fibrous material web. The roll can be heated on the interior by a gaseous heat transfer medium and the internal surface of its jacket is provided with elevated sections that extend at least radially inwards, the height of said elevations being greater than the average radial thickness of the condensate layer that forms on the internal surface of the cylinder jacket during operation. The roll is equipped with elements that drain condensate from the condensate chamber that incorporates the areas lying between the elevations. The drying roll is characterised in that the condensate chamber or at least one condensate sub-section is in hydraulic contact with at least one front-end region of the cylinder.

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