

Title (en)

HEADBOX FOR A MACHINE FOR PRODUCING A FIBROUS MATERIAL WEB

Title (de)

STOFFAUFLAUF FÜR EINE MASCHINE ZUR HERSTELLUNG EINER FASERSTOFFBAHN

Title (fr)

CAISSE DE TÊTE POUR UNE MACHINE DE PRODUCTION D'UNE BANDE DE MATIÈRE FIBREUSE

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Application

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Abstract (en)

[origin: WO2011095252A1] The invention relates to a headbox (1) for a machine for producing a fibrous material web (3) from a fibrous material suspension (2), comprising a feed device (4, 5) which supplies the fibrous material suspension (2), a perforated distribution pipe plate (6) connected downstream, an intermediate conduit (8) located downstream thereof and having a plurality of means (9, 9.1) spaced apart from one another in the width direction of the headbox (1) for metering a fluid (10) in partial fluid streams (10. T) into the fibrous material suspension (2), wherein the intermediate conduit (8) includes two compensation regions (C.1, C.2) in which a compensating flow is possible transversely to the flow direction (R) and over the width (B) of the intermediate conduit (8), a sectional region (D) in which the means (9, 9.1) for metering fluid (10) are disposed in order also to section the flow transversely over the width (B) of the intermediate conduit (8), a turbulence generating means (11) disposed downstream, and a headbox nozzle (14) immediately adjoining the turbulence generating means (11). The headbox (1) according to the invention is characterised in that the overall compensation length (C. L) formed from the two compensation regions (C.1, C.2) and measured in the flow direction (R) has a value in the range of 30 to 1500 mm, preferably from 100 to 500 mm, in particular from 150 to 300 mm.

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