



SAHARANPUR TESTING INSTRUMENTS PVT LTD

Manufacturer & Suppliers of All Kind of Pulp, Paper, Board, Tissue,
Packaging, Converting & General Testing Instrument for Laboratory

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Sheet Former (KCL Type)



Usage : for the preparation of laboratory sheets of pulp for paper testing .

Definition : when pulp suspension passed through a standard wire mesh fitted on a circular grid plate under standard barometric height to provide the necessary vacuum over the grid plate to form the paper sheet under uniform parameter such as consistency , temperature , water volume is defined as lab hand sheet making.

Device Description : Sheet Former of KCL model is intended for production of laboratory sheets for physical tests The design of the dewatering vessel gives a constant flow across the entire wire, thus permitting extremely uniform sheets. The Sheet Former is easy to install in a laboratory and produces square sheet size 165x165 mm.

Test Description : by opening the hand valve the former column is half filled with water and suspensions, which has been prepared in the disintegrator , and equalizer is added . Then the former column gets filled up until the mark is reached . the agitator is used to swirl the content of the column , once the settling phase is finished , the second hand lever gets moved to open the drainage valve and the water is drained through the forming screen. The freshly formed hand sheet remains on the screen. The former column can then be opened and two blotting papers are placed on the top of wet hand sheet. With the stainless steel roller the sheet is couched and then carefully be removed from the screen and further processed with the sheet press, the drying rings or the speed dryer.

Specifications :

Sheet Size	165mm x 165mm
Grid Plate with wire screen	100 mesh (ASTM std.)150 mesh (TAPPI std.) ,
Suction Height:	800 mm.
Stock Container and dewatering vessel	Stainless Steel
Drainage Time	3.8 ± 0.2 sec., 20 °C ± 1 °C.
Standard Accessories:	Stirrer, Couch Roll, Couch Plate, 10 Nos. SS Drying Disks Mirror polished one side, 10 Nos. Thermosetting Plastic Drying stackable perforated rings to allow conditioned air to flow through.