



## **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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### **Valley Beater**



Usage : for beating of pulp according to standardized conditions (360 g).

Standards: TAPPI T200 , T205m, ISO5246-1, SCAN C25CPPA C.2

Device Description : The laboratory beater is mounted upon a stainless steel construction. The device itself is entirely made of stainless steel as well. The container is capable of holding a volume of 23 liters , therefore 360g of pulp can be beaten with one process .the rolls including the blade are 152mm wide and have a diameter of 190-194mm . the bed knife consists of seven 3.2mm thick stainless steel blades. The knives and bed of the beater are encased by a tank cover in order to ensure safe handling of device.

Test Description : 360 g of pulp in a suspension is put into a beater. Now the suspension needs to be topped up with water until the whole mixture reaches a volume of 23 liters. Three minutes after starting the device a sample has to be taken , After that a weight of 5.5 kg has to be fixed to the lever in order to start the actual beating process. Samples can be taken at regular intervals and the pulp can be used to be tested for example on freeness or to form test sheets.

Specifications :

Beater roll	made of heat treatable stainless steel
Diameter	193.8 mm & width 152.4 mm
Beater roll flybar	Thickness of each flybar is 4.8 mm and with a Brinell hardness 350 - 400
Beater roll drum speed	500 rpm.
Width of the bed plate	159 mm.
Number of bed plate bars	7 bars, each 3.2 mm thick set in lead 2.4mm apart with a brinell hardness 325-375
Bed Plate diaphragm	Thickness of 1.6 mm live rubber.
Lever arm	Casted with dead weight 5.5 Kgs.
Power supply:	380 V, AC 3 Phase, 1 HP.

Delivery Content :

Consumables :

Service and Startup :