

# AU - 2003 Beating & Freeness Tester (Canadian Type)



*This instrument is used for determination of **freeness of wood fibre ground wood and mechanical pulp**. It measures the **Canadian Freeness number** which is a measurement of the **drainage capacity of different pulp types**.*

*It is a useful index of the amount of mechanical treatment given to the pulp. With standard screen plate and **Plexiglas measuring cylinder** for **CSF value**.*

*3 grams of OD fibre pulp in aqueous suspension is drained through the fibre mat on a standard perforated screen plate during the test into a funnel provided with a bottom and side orifice.*

*The filtrate collected in specially graduated measuring cylinder from the side orifice is expressed as a CSF value corresponds to milliliter.*

## SPECIFICATIONS

Its Nozzle and screen plate are calibrated according to relevant standards. Two measuring cylinders are included.

<b>Capacity of the cylinder</b>	: 1000 ml above the screen plate
<b>The Volume in the Bottom section of the cone</b>	: $23.5 \pm 0.2$ ml (adjusted by means of the threaded plug in the side orifice) Any change in this volume may affect the calibration.
<b>Slope of the main cone</b>	: $29^\circ \pm 5$ min.
<b>Orifices provided in funnel</b>	: Two, one at the bottom & other on the side.
<b>Distance between the overflow lip of the tube (inside the funnel) and bottom of the funnel section</b>	: $50.8 \text{ mm} \pm 0.75 \text{ mm}$ Note: This is extremely critical and set precisely at the works.
<b>Size of the perforations in the</b>	: $0.51 \pm 0.01$ mm diameter and no of holes are 97 per/cm <sup>2</sup> screen plate (TAPPI STANDARD)
<b>Compliance to the following</b>	: ISO 5267/2 CPPA C1

**International Standards**

 BS 6035/2  
 TAPPI T 227

**Option**

 Spare screen plate  
 Wall mounted model.  
 Consistency determination apparatus

	Shipping Data	Ordering Data
	Net Weight	Model No.
	Gross weight	Voltage
	Dimension	Frequency

**Changes:**

UEC products undergo continuous development. The technical data in this catalogue are therefore subject to change