

## HAND SHEET FORMER “TAPPI Type” FTH-1 model

To forming wet sheets of paper in the laboratory

According to standards: ISO 5269/1 - TAPPI T205 - SCAN C26 - PAPTAC C4

In order to know the physic-mechanical and optical properties of paper, cardboard and similar materials in sheets, is necessarily made in the laboratory with a fast and reliable method that allows a sequence of rapid implementation of leaves under similar conditions.

### TEST DESCRIPTION:

Dilute 24 grams of pulp in 2000 ml of distilled or deionized water, and disintegrate in a standardized Disintegrator. Once disintegrated pulp, add water to a total of 8 liters. Gently shake the suspension, extract 400 ml. For each sheet to be produced.

To form a sheet of paper, half-filled cylinder formation and pour the prepared sample. Water is added, opening the water inlet valve of the trainer, until you reach the top mark of the cylinder. We insert the perforated shaker and shake from top to bottom, 5 times for 6 seconds. Repeat this action over 6 times in 6 seconds and carefully remove the agitator. It wait 5 seconds before opening the valve for water drainage.

This evacuation by gravity, causing a small vacuum which removes more water from the formed paper sheet itself. By means of blotting paper and the roller, remove the paper formed. We do this as many times as sheets of test is needed in the laboratory

The sheets obtained in the Sheet Formerr, are pressed in a laboratory press and then dried to be ready to be tested.

### SPECIFICATIONS:

- Blade Size: 165 mm. diameter
- Upper metalic screen: 150 mesh according to TAPPI
- Screen bottom bracket: 20 mesh
- Suction height: 800 mm.
- Made of Stainless Steel
- Drainage time:  $3.8 \pm 0.2$  seconds, at  $20^{\circ} \text{C} \pm 1^{\circ} \text{C}$

### STANDARD ACCESSORIES SUPPLIED:

- ✓ Stirrer, Couch Roll, Couch Plate
- ✓ 16 Nos. SS Drying Disks Mirror polished one side
- ✓ 17 Nos. Thermosetting Plastic Drying stackable perforated rings to allow conditioned air to flow through.

### OPTIONAL: White Water Recirculation System WR-01 model

- The useful diameter forming the paper sheet is 159 mm



#### DIMENSIONS AND WEIGHT:

Dimensions: 350 x 350 x 1400 mm (W x D x H)  
Box for Transport: 1600 x 480 x 700 mm (W x D x H)  
Weight Net/ Gross: 70 Kg / 120 Kg

#### STANDARD DELIVERY CONTENT:

> Standard Sheet Former FTH-1 + Standard accessories