

## Laboratory MEDIUM FLUTER “CONCORA type”

This apparatus flutes the paper samples by means of two fluting rolls. Afterwards, the samples are tested in the crush tester for evaluation of the C.M.T. (Corrugating Medium Test) and C.C.T. (Corrugated Crush Test).

Applicable standards: UNE 57.074 - ISO 7263 - TAPPI T 809...



FT-07 model

**RACK & COMB**  
Included in the estándar supply

- Easy to use
- Precise temperature control
- Standard equipment prepared for “A” Flute
- Easy pressure calibration and regulation from the outside (no dismantling needed)
- Adjustable pressure range 0-210 N
- High stability of temperature with PID controller
- Programmable temperature with digital display: 177 °C ± 2 °C

### DESCRIPTION

The prepared sample (for standard: 160mm x 12,7mm strips) is put in the upper opening. The strip is heated up to 177°C between corrugated rotating discs, whereby the flute is formed and ejected at the lower opening.

Using the included sample holder the self adhesive tape is applied to complete the sample preparation.

Conventional equipment to flute samples of paper by rotating fluting rolls. Standard type “A” is supplied.

Standard accessories included are the rack and comb. The rack, with a profile corresponding to the fluting rolls teeth, has 9 crest and 10 valleys.

The distance between the teeth are 8,50 ± 0,05 mm. and the highness of the teeth are 4,75 ± 0,05 mm.

The comb has 10 projections of 19 mm long approx. and 3 ± 0,1 mm. height.

\* OPTION: Discs for “B” and “C” Flute



Rack and Comb device to glue the crest of the sample of corrugated paper to adhesive tape

**NOTE :** To glue the crest of the sample it is necessary to use an adhesive tape with good adherence.

Inside the equipment there are 2 plates with fluted teeth able to maintain a testing temperature of  $177^{\circ}\text{C} \pm 2^{\circ}\text{C}$  by means of a programmable temperature digital controller.

One of the discs is operating by a motor and rotates at a speed of  $4,5 \pm 1$  r.p.m., and the other geared disc , makes a pressure on the driving disc of  $100 \pm 10$  N.

- ❑ Diameter of rolls:  $228,5 \text{ mm} \pm 0,5 \text{ mm}$
- ❑ Rolls dimensions:  $16 \pm 1 \text{ mm}$
- ❑ Teeth n°: 84
- ❑ Radius of teeth at peak :  $1,50 \pm 0,1 \text{ mm}$
- ❑ Radius of teeth at base:  $2,00 \pm 0,1 \text{ mm}$
- ❑ Depth of teeth :  $4,75 \pm 0,05 \text{ mm}$
- ❑ Distance between teeth :  $8,55 \pm 0,05 \text{ mm}$

**CONNECTIONS:**

Electrical: 110V/60Hz or 230V/50Hz Single phase (2 Kw)

**DIMENSIONS AND WEIGHT:**

Dimensions: 550 x 450 x 290 mm (W x D x H)

Box for transport: 600 x 480 x 410 mm (W x D x H)

Weight Net/Gross: 48 Kg / 65 Kg

**DELIVERY CONTENT:**

> Laboratory MEDIUM FLUTER

> Rack & comb device

