



## CONCORA type MEDIUM FLUTER FT-07

To prepare corrugated medium paper specimens under pressure and temperature to perform standard CMT and CCT tests on a standardized crush tester.

## CONCORA type MEDIUM FLUTER FT-07 model

### APPLICABLE STANDARDS:

UNE 57.074 - ISO 7263 - TAPPI T 809 – DIN 53 143 – SCAN P27 – PAPTAC D29...

### GENERAL INFORMATION

High-quality equipment designed for the preparation of corrugated medium / fluter paper samples at standard pressure and temperature.

### TEST DESCRIPTION

Standard samples of 150 to 160 x 12.7 mm  $\pm$  0.1 mm are prepared and having prefixed the working temperature in the Grooving Machine to 177 °C between the corrugating discs, the sample is introduced through the upper inlet in the vertical model and front in the horizontal model, and after forming the corrugated sample is collected carefully, so as not to transfer moisture with your hands.

Subsequently, it is placed on the teeth of the bonding device and the sample is glued on an adhesive tape with great adhesion power.

Conventional equipment for corrugated paper specimens using two interlocking steel corrugating rollers. In standard it is supplied with channel type "A"

A rack and a comb are supplied as a standard accessory. The support, with a profile corresponding to that of the teeth of the corrugating rollers, has 9 ridges and 10 valleys.

The distance between teeth is  $8.50 \pm 0.05$  mm and the height of the teeth is  $4.75 \pm 0.05$  mm. The comb has 10 protrusions approximately 19 mm wide and  $3.4 \pm 0.1$  mm wide. maximum height.

- **Easy to use**
- **Precise temperature control**
- **Standard supply with channel type "A"**
- **Calibration and pressure regulation from the outside  
(without disassembling the equipment)**
- **Adjustable Pressure Range from 0-210 N**
- **Great stability of temperature controlled by PID**
- **Digital Temperature Programmer: 177 °C  $\pm$  2 °C**



Device for gluing the ridges of corrugated paper samples to the adhesive tape

**NOTE:** Adhesive tape with low elongation and good adhesion of at least 15 mm wide will be used to glue the ridges of the samples, they are appropriate among others: 3M grade 400 and TESFIX 4971.

The apparatus internally has two plates with corrugated teeth capable of maintaining a test temperature of  $177 \pm 2$  °C by means of a programmable digital temperature controller.

One of the rollers is driven by a gear motor and rotates at a speed of  $4.5 \pm 1$  rpm, and the other roller, which is in gear, exerts a pressure on the drive of  $100 \pm 10$  N.



## SPECIFICATIONS

- **Roller diameter: 228.5 mm  $\pm$  0.5 mm**
- **Thickness of the rollers: 16  $\pm$  1 mm**
- **Number of teeth: 84**
- **Radius of the teeth on the crest: 1.50  $\pm$  0.1 mm**
- **Radius of the teeth in the valley: 2.00  $\pm$  0.1 mm**
- **Tooth depth: 4.75  $\pm$  0.05 mm**
- **Distance between teeth: 8.50  $\pm$  0.05 mm**

| CONCORA type MEDIUM FLUTER FT-07 model |                               |                            |                    |                     |                            |           |          |
|--|-------------------------------|----------------------------|--------------------|---------------------|----------------------------|-----------|----------|
| Model                                  | Pressure between rollers<br>N | Number of teeth per roller | Roller diameter mm | Work temperature °C | Dimensions An x F x Al /mm | Weight kg | Power Kw |
| FT-07                                  | 100                           | 84                         | 228,5              | 177                 | 550x450x290                | 48        | 2        |

**POWER SUPPLY** 110V/60Hz o 220V/50Hz single-phase

**DIMENSIONS OF TRANSPORT PACKAGING:** 600 x 480 x 410 mm (W x D X H)

**GROSS WEIGHT:** 70 Kg (Wood packaging with phytosanitary treatment)

### STANDARD SUPPLY CONTENT:

- \* Concora type Medium Fluter FT-07 model
- \* Rack & Comb Device for gluing samples