

FLAT DRYER

The flat dryer is designed to determine the moisture content of paper samples.
It is an invaluable tool for measuring the moisture of :

- pulp
- paperboard
- consistency pads
- newsprint
- kraft
- groundwood
- tissue

Using the flat dryer and a direct reading basis weight scale, an accurate percent moisture determination may be made on an average sheet in less than five minutes to tear-out of final weight.

An electrically heated heavy aluminium plate provides a very stable heat source for drying paper samples. A heavy cast aluminium cover, hinged at the rear, is fitted with a non-asbestos breathable fabric cover pad that functions as a dryer felt and presses the paper sample or hand sheet firmly against the heated plate. The mass of the aluminium plate eliminates any significant drop in temperature due to the drying load. Our speed dryers are ruggedly built and constructed for continuous service in a pulp and paper mill laboratory environment.

The hot plate temperature is controlled with a digital set/read proportional controller and switch using a solid state relay. This feature insures long life during continuous operation.



Features

- Full stainless steel construction
- Rigid perforated plate top cover for rapid moisture release and minimum temperature build-up
- Premium cover with velcro fastening

Cardboard, Paper, Pulp

Physical specifications

Dimensions plate area

Model 130 61 x 35.5 cm (WxD)

Model 135 91.5 x 35.5 cm (WxD)

Net Weight

Model 130 18 kg

Model 135 25 kg

Standards

applicable TAPPI, CPPA, ASTM and APPITA test methods

Performance data

Control accuracy

$\pm 1\text{ }^{\circ}\text{C}$ @ $105\text{ }^{\circ}\text{C}$

Range

up to $150\text{ }^{\circ}\text{C}$

Units

$^{\circ}\text{F}$ or $^{\circ}\text{C}$

Voltage

115 or 220 V (specify)

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