

Rapid-Köthen Sheet Former



Model DAT112x

Description

This semi-automatic sheet former is used to generate laboratory hand sheets, using the Rapid-Köthen method for measuring the physical and/or optical properties of pulp sheets.

Owing to its robustness, precision, reliability and high degree of repeatability, the equipment is ideal for both production control and R&D.

The unit has a multi-function water circuit for the stock container. This is capable of passing both dilution and white water and operating with either an open or closed loop. The closed loop is an option that can save white water and the costly additives it contains as well as reduce the overall volume of waste water.

The two standard dryers are controlled by adjustable timers, which enable a production of up to 24 sheets per hour. The unit is equipped with closed loop hot and cold water circuits for dryers that reduce the water consumption.

Features

- Ergonomically mounted control panel with adjustable timers for mixing, agitation, forming and drying
- All parts in contact with water or dust are made of stainless steel
- Compressed air agitator mounted in the stock container base to ensure perfect mixing of the pulp suspension
- Used in more than 135 production and research laboratories all over the world

Options

- Additional dryers
- Closed loop on white water
- Water filter
- Unit without integrated cooling
- Square 100 cm² stock container
- 100% fully bleached chemical pulp blotters

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Physical specifications

Laboratory hand sheets

Circular hand sheets 315 cm²/diameter 200 mm

Container

12 l Plexiglass stock container

Dryers

Two dryers producing up to 24 dry sheets per hour

Dimensions

190 x 70 x 200 cm (W x D x H)

Net weight

350 kg

Performance data

Vacuum pump

High efficiency rotatory vane vacuum pump up to 65 l/min at 120 mbar

Hot water

Hot water circuit for dryer (closed loop) up to 12 l/min at 97°C

Cold water

Cold water circuit for dryer (closed loop) up to 2 l/min at 18°C

Power supply

220 VAC, 50 Hz

Air connection

6 bar instrument quality/0.1 m³/h

Water connection

3 bar/0.25 m³/h

Drain connection

Required

Power consumption

4000 W

Standards

ISO 5269/2, NBR 14380/99, TAPPI T-205, DIN 54358, ZM V/8/76

