

RAPID-KÖTHEN SHEET FORMER

The RK-21 is a semi-automatic sheet former used for the production of laboratory hand sheets, in accordance to the Rapid Köthen method for measuring the physical and/or optical properties of pulp sheets.

Due to its robustness, precision, reliability and high degree of repeatability, this equipment became the standard tool for the quality control and R&D.

Multi-function hydraulic circuit for the stock container fills and drains dilution at high speed, with the choice of operating with open loop according to technical standards or with closed loop, whereas user can heat white water using built-in heating system to simulate in the laboratory the real sheet making conditions present on paper machines.

Pneumatic mixer, with integrated pressure regulator, in the stock container base ensures perfect mixing of the pulp suspension and homogeneity of sheets.

Two standard dryers enable production of up to 24 dry sheets per hour. An elegant design combines a large polished stainless steel operating table, a welded steel structure and resistant plastic cover panels.



Model RK-21



Features

- Siemens SPS controlled : dialog messages and optic and audible alarms ensure fast, safe and reliable operation
- All parts in contact with water or dust are made of stainless steel which assures an extended lifetime
- Perfect mixing of the pulp suspension

Physical specifications

Laboratory hand sheets

Circular hand sheets 315 cm²/ø 200 mm

Container

Plexiglass stock container of 10 liters

Dryers

Two dryers produce up to 24 dry sheets per hour

Dimensions

180 x 80 x 160 cm (WxLxH)

Net weight

350 kg

Options

- standard board carrier (ø 240 mm, 200g/m², laminated cardboard)
- wire tensioning device for the easy exchange of sheet forming screen gauze
- interchangeable 100 cm² square stock container

Standards

ISO 5269/2, NBR 14380/99

Performance data

Vacuum pump

High efficiency rotatory vane vacuum pump up to 70 mbar

Hot water

Hot water circuit for dryer (closed loop) at 95 °C

Cold water

Cold water circuit for dryer (closed loop) at 25 °C

Power supply

220 V, 50Hz, single phase

Air connection

6 bar instrument quality / 0,1 m³/h

Water connection

3 bar / 0,5 m³/h

Drain connection

Required

Power consumption

6000 W

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