KASON-PSF200 Paper sheet forming equipment

(The picture is for reference only)

Introduction

The KASON-PSF200 paper sample generator (rapid Kaiser process sheet generator) is an integrated experimental device combining sheet forming and vacuum drying. It is suitable for research and experimentation in papermaking research institutes and paper mills. The paper sample generator forms φ200 paper samples from pulp, which are then dried in a dryer before being tested for physical strength. This process helps identify the properties of the pulp raw materials and the specifications of the beating process. Its technical indicators meet the standards stipulated for physical testing equipment in my country's papermaking industry. (The last sentence, "The paper sample is dried in a dryer before being tested for physical strength," is a repetition of the previous one and can be omitted.)

Features:

This machine integrates paper forming and vacuum drying, featuring white water circulation, electric water supply, compressed gas homogenization (manual homogenization), large-diameter valve for water discharge, and vacuum pump-assisted filtration and forming. It can handle ultra-thick paper samples. The drying chamber has an elastic suction and clamping device, allowing for paper sample drying to a

thickness of up to 10mm. The vacuum pump has an automatic anti-oil-back device. It utilizes a water-circulating dedicated vacuum pump, employing the Venturi principle and centrifugal vacuum technology to generate high negative pressure. This pump is small, compact, and has a large pumping capacity; it achieves high vacuum and requires no maintenance. It can operate in harsh environments.

The drying section uses vacuum heating drying, resulting in high vacuum and fast drying speed. The heating element uses a heating plate, offering a long lifespan and easy replacement. The temperature control system employs intelligent PID control and features short-circuit, open-circuit, and over-temperature alarm functions, ensuring high measurement and control accuracy and reliability.

Specification

1. Sample diameter: ≤200mm

2. Vacuum pump vacuum degree: -0.092~-0.098MPa

3. Vacuum pressing force: ≈0.1MPa

4. Drying temperature: ≤140℃

5. Drying time (quantity 30-80g/m2): 4-6 minutes (time setting range 1-99.59min)

6. Vacuum pump motor power: 2.2KW

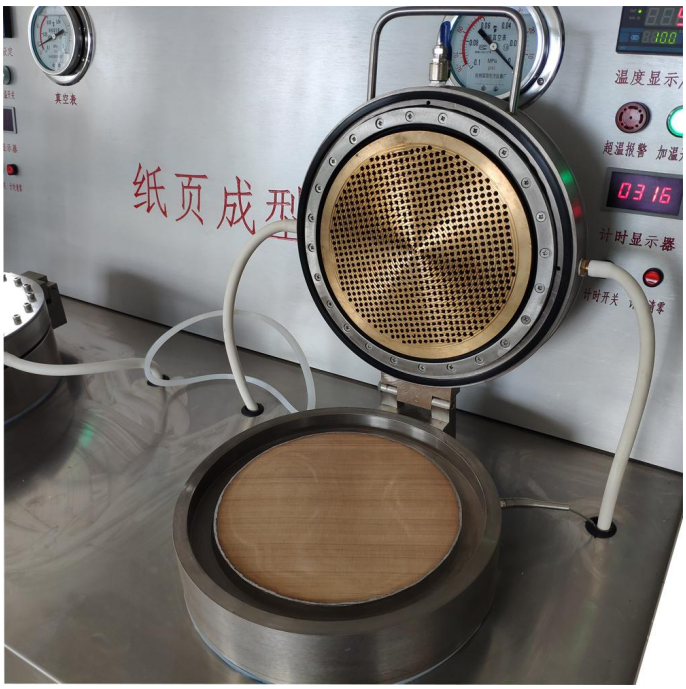
7. Worktable surface is made of stainless steel plate

8. Heating power: 1.5KW×2

9. Dimensions: Approximately 1800mm×710mm×1300mm

10. Weight: Approximately 295Kg

11. Water source: Requires a continuous water supply


温度显示
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计时显示器


温度显示/设定
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计时显示器

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KASONTEST®

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