



PulpTester

Article No. S95854

SHEET FORMER RAPID-KÖTHEN KWT

For the production of standardised hand-sheets with a diameter of 200 mm and to enrich the white water with chemicals from the suspension.



Rapid-Köthen 2-KWT

MOST IMPORTANT BENEFITS

- ✓ Table frame made of sturdy stainless steel (powder-coated)
- ✓ Bench top made entirely of waterproofed polypropylene
- ✓ Lightweight dryers for easy usage
- ✓ Special place on the bench top for detaching the produced sheets
- ✓ Automatic sheet forming process, changeable to manual control anytime
- ✓ Start of the sheet forming and drying process by push of a button
- ✓ White water circulation system for chemical enrichment

 **FRANK-PTI**
QUALITY TESTING INSTRUMENTS

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PRODUCT DESCRIPTION

The warp resistant stainless steel frame is a robust base for the work table, in which two pumps, hot water baths, the control unit, a return water filter and the water container are installed. A former column, dryers, the water circulation system, and the controls are mounted in the waterproof table surface. The control panel contains easy to read instruments and a timer for each dryer as well as a vacuum display. Different programs can be stored in the program control system, and can be reloaded at any time. Between the former column and dryers there is a spacious work space for removing the manufactured hand sheets and preparing them for drying.

TEST DESCRIPTION

From the equalizer (see page 14), suspension is taken. Water is introduced to the former column automatically when the start button is pressed. When it has been filled to the 4 litre mark, the suspension is added. When the 7 litre mark is reached the flow of water is stopped automatically. After the agitation is completed, the suspension comes to rest and is drained through a screen. The hand sheet is left on the screen frame. To provide it with the desired stability it is briefly treated with vacuum. Then the former column is opened, the hand sheet covered with a carrier board and couched. After detaching it is given a cover sheet and put into the dryer. There the sheet is dried for the preset time (5 – 6 mins). After the drying is complete, carrier board and cover sheet are removed. The sample can then be made ready for further tests.

The water used in making the sheet is not drained away, instead it is collected in a separate acrylic glass tank. It can be operated at room temperature, or heated up to 65 °C. It can be removed for testing (e.g. chemical residue etc.) via the sample outlet on the side of the table.



Accessories: Carrier boards, cover sheet and couching roll

TECHNICAL DATA

DEVICE/INSTRUMENT

- Particularly suitable for research
- Two integrated tin-bronze pumps
- All parts made of corrosion-resistant materials
- Automatic control system: up to 24 storable programs
- Water circulation inside the dryers acc. to standard (3 – 6 l/min)
- Available with up to 5 dryers
- Dryer temperature: 93 – 97 °C
- White water heatable up to 65 °C
- Optional: Dryer temperature up to 145 °C

INSTALLATION REQUIREMENTS

Electrical connection	400 V / 3 Ph / 6 kW
Water connection	Yes
Compressed air	4 – 6 bar

APPLICABLE STANDARDS

- DIN EN ISO 5269-2
- Zellcheming Merkblatt V/8/76



Opening the former column for taking out the hand-sheet



Opening the former column by lifting the handle