

Article No. S95854



Pulp Tester

Sheet Former Rapid Köthen manual

For the production of standardized hand sheets with diameter of 200 mm.



Rapid-Köthen 2 manual

DIE WICHTIGSTEN 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
- ✓ Start of the drying process by push of a button

 **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 a pump, hot water bath, the control unit, a return water filter and the water container are installed. A former column, dryer, 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. 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, suspension is taken. The individual steps are carried out manually via the selector switch. First water is introduced to the former column. 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 manually and agitation begins. After the agitation is completed, the suspension comes to rest and the draining process can start. The hand sheet forms 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 removal 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.



Manual control via selector switch

TECHNICAL DATA

DEVICE / INSTRUMENT

- Vacuum pump made of bronze
- All parts made of corrosion-resistant materials
- Water circulation inside the dryers acc. standard (3 – 6 l/min)
- Available with up to 5 dryers
- Dryer temperature: 93 °C
- Optional: Dryer temperature up to 135°C (with special heat transfer liquid)
- Also available as a fully automatic version and with circulating water
- Working height: min. 150 cm
- Table height: approx. 87 cm (adjustable feet)

APPLICABLE STANDARD

DIN EN ISO 5269-2
DIN 54358
Zellcheming Merkblatt V/8/76

MEASUREMENT

Paper sheet:	200 mm Ø
Fill:	Acc. standard 18 sec, adjustable 7s
Agitation:	5 s
Calming:	15s
De-watering, suction	-
Draining	2s
Overrun Drainage	5s
Rinse pump	0
Suction chamber ventilation	(all manually controllable)

CONNECTIONS

Electrical connection	400 V / 3Ph / 6kW
Water connection:	Supplied pressure min. 2,5 bar /max 5 bar (hose with ¼" screwing)
Drainage:	50mm Ø (pipe connection)
Compressed air:	6 bar (hose 8mm)



RK3 Rapid Köthen with 3 dryers



Open the former column for taking out the hand-sheet



Light weight dryer covers for easy handling



Timer and vacuum control for the dryers

DIMENSIONS

Version	L x H x W
S958540001 RK0H	1080 x 1400 x 840 mm
S958540002 RK1H	1620 x 1400 x 840 mm
S958540003 RK2H	1690 x 1400 x 840 mm
S958540004 RK3H	2020 x 1400 x 840 mm
S958540005 RK4H	2350 x 1400 x 840 mm

Weight	Net
S958540001 RK0H	190 kg
S958540002 RK1H	310 kg
S958540003 RK2H	330 kg
S958540004 RK3H	350 kg
S958540005 RK4H	390 kg

ARTICLES / MODELS

S958540001	RK0H - Rapid Köthen manual without dryers
S958540002	RK1H - Rapid Köthen manual 1 dryer
S958540003	RK2H - Rapid Köthen manual 2 dryers
S958540004	RK3H - Rapid Köthen manual 3 dryers
S958540015	RK4H - Rapid Köthen manual 4 dryers

Available Accessories.:

S958541014	RK Cover sheets 205mm Ø. (standard)
S958541021	RK Cover sheets 220mm Ø
S958541013	Carrier boards 240 mm Ø 1 pack a 1000 sheets

S958541003	Couch roll
S958541118	Knoff off plate silicone 40x40 / 5mm
S958541007	Screen mounting device



Couch roll with carrier board and cover sheets



Working space with knock off plate