



Pulp Tester

Sheet Former Rapid Köthen automatic

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



Rapid-Köthen 5 automatic

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 button
- ✓ With 1 – 3 dryers: one heating bath, 4-5 dryers: two heating baths

 **FRANK-PTI**
QUALITY TESTING INSTRUMENTS

SUBSIDIARY OF  *Fidel Hansen*

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PRODUCT DESCRIPTION

The warp resistant stainless steel frame is a robust base for the work table, in which one pump, hot 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 saved in the program control system and can be reloaded at any time. Between the former column and dryers there is a spacious workspace for removing the manufactured hand sheets and preparing them for drying.

TEST DESCRIPTION

From the equalizer, 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 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.

TECHNICAL DATA

DEVICE / INSTRUMENT

- Vacuum pump made of tin bronze
- All parts made of corrosion- resistant materials
- Automatic and manual mode
- Automatic controll 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 temperatur: 93-97°C
- 1-3 dryers: 1 built-in water heater
- 4-5 dryers: 2 built-in water heaters
- Optional: Dryer temperature up to 135°C (with special heat transfer liquid)
- Working hight: min 150 cm
- Table hight: appx. 87 cm (adjustable feet)

APPLICABLE STANDARDS

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

MEASUREMENTS

Test sheets:	200 mm Ø
Filling:	Acc. to standard 18 Sec, freely selectable
Agitation:	7s
Calming:	5 s
De-watering, suction	15s
Draining	-
Follow up drainage	2s
Flush the pump	5s
Suction chamber ventilation	0

CONNECTIONS

Electrical connection	400 V / 3Ph / 6kW
Water connection:	Supplied pressure min. 2,5 bar /max 5 bar (hose with 3/4" screwing)
Drainage:	50mm Ø (pipe connection)
Compressed air:	6 bar (hose 8mm 3m)



Programm and control panel



Automatic or manual control panel



RK3A Rapid Köthen with 3 dryers



Open the former column for taking out the hand-sheet



Light weight dryer for easy handling



Timer and vacuum control for the dryers

DIMENSIONS

Version	L x H x W
S958540006 RK0A	1080 x 1400 x 840 mm
S958540007 RK1A	1620 x 1400 x 840 mm
S958540008 RK2A	1690 x 1400 x 840 mm
S958540009 RK3A	2020 x 1400 x 840 mm
S958540010 RK4A	2350 x 1400 x 840 mm
S958540011 RK5A	2680 x 1400 x 840 mm

Weight:	net
S958540006 RK0A	190 kg
S958540007 RK1A	310 kg
S958540008 RK2A	330 kg
S958540009 RK3A	350 kg
S958540010 RK4A	390 kg
S958540011 RK5A	430 kg

ARTICLES / MODELS

S958540006	RK0A - Rapid Köthen auto. without dryout
S958540007	RK1A - Rapid Köthen auto. 1 dryer
S958540008	RK2A - Rapid Köthen auto. 2 dryers
S958540009	RK3A - Rapid Köthen auto. 3 dryers
S958540010	RK4A - Rapid Köthen auto. 4 dryers
S958540011	RK5A - Rapid Köthen auto. 5 dryers

Recommended 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	Knock off plate silicone 40x40 / 5mm
S958541007	Screen mounting device



Couch roll with carrier board and cover sheets



Work space with knock off plate