



Pulp Tester

# Sheet Former Rapid Köthen KWT

For the production of standardized hand sheets with a diameter of 200 mm and to enrich the white water with chemicals from 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 button
- ✓ White water circulation system for chemical enrichment

 **FRANK-PTI**  
QUALITY TESTING INSTRUMENTS

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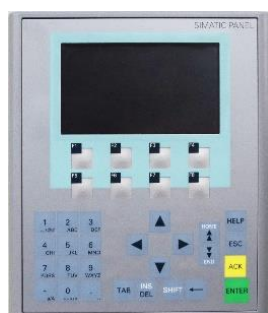
## PRODUCT DESCRIPTION

The warp resistant stainless steel frame is a robust base for the work table, in which 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 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.



Programm and control panel



Automatic or manual control

## 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 temperature: 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 165 cm
- Table hight: approx. 87 cm (adjustable feet)

### APPLICABLE STANDARDS

DIN EN ISO 5269-1/-2/-3  
Zellcheming Merkblatt V/8/76

### MEASUREMENTS

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

### CONNECTIONS

Electrical Connection:	400 V / 3Ph / 6kW
Water Connection:	Pre-pressure min. 2,5 bar /max 5 bar (Hose with 3/4 "inch screw connection)
Drainage:	50mm Ø (Pipe starting from device) plug connection
Compressed air:	6bar (hose 8mm)



RK3A Rapid Köthen with 3 dryers

# Article No. S95854

## DIMENSIONS

Version	L x H x W
S958540012 RK0AKWT	1300 x 1500 x 840 mm
S958540013 RK1AKWT	1660 x 1500 x 840 mm
S958540014 RK2AKWT	1860 x 1500 x 840 mm
S958540015 RK3AKWT	2190 x 1500 x 840 mm
S958540016 RK4AKWT	2520 x 1500 x 840 mm
S958540017 RK5AKWT	2850 x 1500 x 840 mm

Weight:	net
S958540012 RK0AKWT	200 kg
S958540013 RK1AKWT	320 kg
S958540014 RK2AKWT	340 kg
S958540015 RK3AKWT	360 kg
S958540016 RK4AKWT	400 kg
S958540017 RK5AKWT	440 kg

## ARTICLES / MODELS

S958540012	RK0AKWT - Rapid Köthen KWT. ohne Trockner
S958540013	RK1AKWT - Rapid Köthen KWT. 1 Trockner
S958540014	RK2AKWT - Rapid Köthen KWT. 2 Trockner
S958540015	RK3AKWT - Rapid Köthen KWT. 3 Trockner
S958540016	RK4AKWT - Rapid Köthen KWT. 4 Trockner
S958540017	RK5AKWT - Rapid Köthen KWT. 5 Trockner

### 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



Open the former column for taking out the hand-sheet



Light weight dryer for easy use



Timer and vacuum control for the dryers



Couch roll with carrier board and cover sheets



Work surface with couch mat