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

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_2005
- Zellcheming Merkblatt V/8/76

Opening the former column for taking out the hand-sheet

Opening the former column by lifting the handle

SHEET FORMER RAPID-KÖTHEN AUTOMATIC

For the production of standardised 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 a button
- ✓ With 1 – 3 dryers: one heating bath, 4 – 6 dryers: two heating baths

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 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 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 control system: up to 24 storable programs
- Change to manual control anytime
- Water circulation inside the dryers acc. to standard (3 – 6 l/min)
- Available with up to 6 dryers
- Dryer temperature: 93 – 97 °C
- 1 – 3 dryers = 1 built-in waterheater,
- 4 – 6 dryers = 2 built-in waterheaters
- **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_2005
- DIN 54358
- Zellcheming Merkblatt V/8/76

Program and control panel

Automatic or manual control

Light weight dryer for easy use

SHEET FORMER RAPID-KÖTHEN MANUAL

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

Rapid-Köthen 2-Manual

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

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 *(see page 14)*, 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.

SEPERATE DRYER

The Rapid Köthen dryer is equipped with an external hot water bath (with temperatures of up to 97 °C) and a water circulation of 3 – 6 litres. The vacuum is created by a water jet pump.

TECHNICAL DATA

DEVICE/INSTRUMENT

- Vacuum pump made of tin bronze
- All parts made of corrosion-resistant materials
- Water circulation inside the dryers acc. standard (3 – 6 l/min)
- Available with up to 6 dryers
- Dryer temperature: 93 – 97 °C
- **Optional**: Dryer temperature up to 145 °C

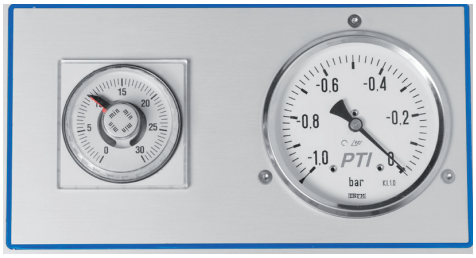
INSTALLATION REQUIREMENTS

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

APPLICABLE STANDARDS

- DIN EN ISO 5269-2_2005
- Zellcheming Merkblatt V/8/76

Manual control panel



Timer watch and vacuum control for the dryers

SHEET FORMER ACC. TO TAPPI OR SCAN SEMIAUTOMATIC

For the semi-automatic production of standardised hand-sheets.

MOST IMPORTANT BENEFITS

- ✓ **Pneumatic couching device**
- ✓ **Gravitation drainage, no vacuum needed**
- ✓ **Bench top made entirely of waterproofed polypropylene**
- ✓ **Semi-atuomatic sheet forming process**
- ✓ **Automatic control system: 4 fix, 21 free defineable programs**

MODELS

ROUND FORMER COLUMN

- 159 mm diameter (TAPPI-standard)
- 215 mm diameter

SQUARE FORMER COLUMN

- 165 x 165 mm
- 250 x 250 mm up to 350 x 350 mm

PRODUCT DESCRIPTION

The warp resistant stainless steel frame creates a robust base for the work table. The forming column, the control panel, and the couching plate are mounted on the waterproof table surface. The sheet forming process is regulated by automatic sequence control. This includes four standard programmes and also 21 programs that can be defined as required. The inflow of water stops automatically as soon as the filling level is reached. Agitation and drainage is done automatically. Couching is done pneumatically with a rubber membrane.

TEST DESCRIPTION

The prepared suspension is taken from the equalizer *(see page 14)*. When the start button is pressed the former column automatically fills with water. The suspension is then added. As soon as the unit is as full as required the water inflow stops automatically. The agitation starts and ends after the preset time has elapsed. The water is drained from the former column after the defined settling time, forming the hand sheet on the screen. The former column is opened, two blotters and the couching plate are laid on the hand sheet and then the couching unit is closed. The membrane is pressurised, causing the hand sheet to be pneumatically couched. The couching time is set via a timer. Once the time has elapsed, the sheet can be removed and is ready for pressing and drying.

Pneumatic couching device

TECHNICAL DATA

DEVICE/INSTRUMENT

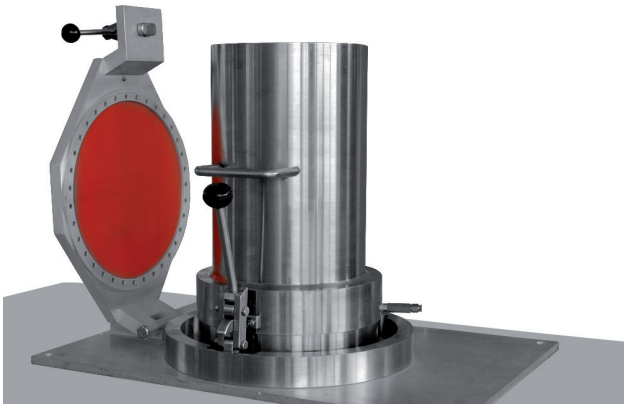
- Former column available in different sizes
- Automatic control system:
- 4 default programs
- Up to 21 free definable programs
- Change to manual control anytime
- Air pressure agitation
- Gravitation drainage, no vacuum needed
- Pneumatic couching device
- Included into delivery:
- 10 mirror-polished plates and drying rings
- **Optional available**: Blotters

INSTALLATION REQUIREMENTS

Electrical connection	230 V / 50 Hz
Water connection	Yes
Compressed air	4 – 6 bar

APPLICABLE STANDARDS

- DIN EN ISO 5269-1_2005
- TAPPI T205



Former column available in various shapes and sizes

Control pannel, changeable to manual control anytime

SHEET FORMER ACC. TO TAPPI MANUAL

For the manual production of hand-sheets according to TAPPI.

MODELS

- 159 mm diameter (TAPPI-standard)

MOST IMPORT BENEFITS

- ✓ **To incorperate into a laboratory bench**
- ✓ **Gravitation drainage, no vacuum needed**

PRODUCT DESCRIPTION

The manual sheet forming system is intended for installation into a laboratory bench (not included). The individual stages of sheet formation are carried out manually. Water is added and drained via simple hand valves. Couching is done with a stainless steel roller, and swirling is done with an agitator with perforated panel. Additionally ten mirror polished plates and drying rings are included in the delivery for drying. All parts are constructed of corrosion resistant materials.

TEST DESCRIPTION

By opening the hand valve, the former column is half filled with water and the suspension, which has been prepared in the equalizer *(see page 14)* is added. Then the column is filled with more water, till the mark is reached. The agitator is used to swirl the contents of the column, which is then carefully removed. It is important while doing this to make sure that not too many fibres are adhering to the agitator. Once the settling phase is complete, the drain is opened via another hand lever. The water flows out and a sheet is left on the screen. After opening the upper part of the former, two blotters are laid on top and couched with the roller. This allows the hand sheet to be removed from the screen, along with the blotters, ready for pressing *(sheet press see page 30)* and drying *(speed dryer see page 32)*.

TECHNICAL DATA

DEVICE/INSTRUMENT

- According to TAPPI standard
- Designated for installation into a laboratory bench
- Easy handling due to big and smooth-running levers
- Delivery content:
  Stirrer with perforated plate
  Couch roll made of stainless steel
  10 mirror-polished plates and drying rings
- Optional available:
  Sieve span frame
  Blotting papers

INSTALLATION REQUIREMENTS

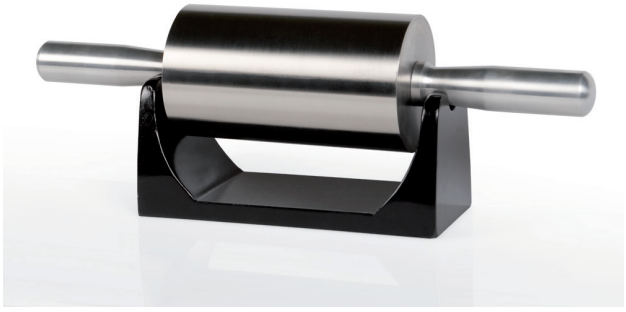
Electrical connection	No
Water connection	Yes
Compressed air	No

APPLICABLE STANDARDS

- DIN EN ISO 5269-1_2005
- TAPPI T205

Blotting papers optional available

Stirrer, dryingrings and mirror-poished plates



Couching roll made of stainless steel

SHEET PRESS ACC. TO TAPPI AND SCAN

For de-watering and pressing of hand-sheets produced on sheet machines acc. to TAPPI or SCAN.

System FRANK-PTI with 100 mm deviation

MOST IMPORTANT BENEFITS

- ✓ **Robust construction made of stainless steel**
- ✓ **Security cover made of acrylic glass**
- ✓ **Prepressing and main pressing time separately adjustable**
- ✓ **4 big air cylinders for equal force distribution**

PRODUCT DESCRIPTION

The sheet press consists of two parallel plates, which are pressed against each other by pneumatic cylinders. Two timers are located on the control module to set the first pressing and second pressing. A channel around the lower plate allows problem free drainage of the liquid pressed out to the rear of the device. Opening the acrylic glass cover activates a safety switch, which immediately stops the pressing process and secures against the unit starting again, to prevent injury.

TEST DESCRIPTION

The sheet press is used to press sheets that have been manufactured on a sheet machine according to TAPPI and SCAN *(see pages 26–29)*. The sample (consisting of blotters and hand sheet) is covered with the mirror polished plates, stacked and laid in the sheet press. The first stage is a first pressing of five minutes. Then the mirror polished plates are removed, the hand sheets given new blotters and the second pressing is started. A pressure of 245 kPa is applied for two minutes. Then the paper stack is removed and the hand sheets are ready for drying *(e.g. with a speed dryer, see page 32, or drying rings)* and conditioning.

TECHNICAL DATA

DEVICE/INSTRUMENT

- Frame made of stainless steel
- Security cover made of acrylic glass
- Prepressing and main pressing time separately adjustable
- 4 big air cylinders for equal force distribution
- Channel around the pressure plates allows easy and smooth water outflow

INSTALLATION REQUIREMENTS

Electrical connection	230 V / 50 Hz
Water connection	No
Compressed air	4 – 6 kbar

APPLICABLE STANDARDS

- DIN EN ISO 5269-1_2005
- TAPPI T205

MODELS

MODEL 100

- Plate size: 350 x 350 mm
- Deviation: 100 mm
- 4 air pressure cylinders

MODEL 200

- Plate size: 350 x 350 mm
- Deviation: 200 mm
- 4 air pressure cylinders

System FRANK-PTI with 200 mm deviation

SPEED DRYER

For the rapid drying of pulp or hand-sheets.

MODELS

- 350 x 350 mm plate size
- 580 x 430 mm plate size

Model with a plate size of 580 x 430 mm

MOST IMPORTANT BENEFITS

- ✓ **Special heating plate with equal heat distribution**
- ✓ **Rapid drying of hand-sheets according to TAPPI or SCAN**
- ✓ **Temperature adjustable up to 180 °C**

PRODUCT DESCRIPTION

The speed dryer consists of a robust stainless steel lower part with fitted hotplate and a safety cover. The hot plate can be set to any temperature between 0 and 180 °C. The speed hot plate is heated from below and maintains its temperature with a maximum deviation of ± 1 °C. The inner side of the cover is covered with a special heat resistant and air permeable fabric, which guarantees exceptional steam discharge. The cover ensures good pressing of the dry material and prevents excessive heat radiation, which minimises power use.

TEST DESCRIPTION

Laboratory sheets *(sheet machine according to TAPPI and SCAN, see pages 26–29)* or other samples are placed on the preheated plate. The cover is closed and drying starts. The weight of the cover holds the sample flat during the drying process.

TECHNICAL DATA

DEVICE/INSTRUMENT

- with equal heat distribution
- Temperature adjustable (±1 °C max. deviation)
- Reguator with digital display
- Special air permeable fabric for perfect steam conduction
- Dryer temperature up to 180°C

INSTALLATION REQUIREMENTS

Electrical connection	230 V / 50 Hz
Water connection	No
Compressed air	No

APPLICABLE STANDARDS

- TAPPI T205

Model with a plate size of 350 x 350 mm

Adjustable heating plate with special alloy

BAUER McNETT FIBRE CLASSIFIER

For the determination of fibre length of pulp by classification.

MOS

- ✓ **Completely made of stainless steel**
- ✓ **Fully automated test procedure**
- ✓ **Quick clamping allows easy insertion and removal of the screens**
- ✓ **Built-in suction pump for emptying each container**
- ✓ **The attachment of a shive content analyser is possible (Somerville, Haindl, Brecht-Holl)**

MODELS

- Version with 3 Classifier chambers
- Version with 4 Classifier chambers
- Version with 5 Classifier chambers
- Version with 4 Classifier chambers and built-on Sommerville Shive Content Analyzer *(Somerville see page 36)*

Available Sieves:

ASTM 16 / 30 / 50 / 100 / 200, others on request

PRODUCT DESCRIPTION

The fibre classifier is manufactured entirely from stainless steel. The classifier unit is equipped with quick fasteners for easy insertion and removal of the screens. Additionally, the individual units have an overflow into the next container. Each unit is fitted with a special agitator and an exchangeable screen. Control is fully automatic for ease of operation. An integrated timer allows setting individual classification times. The flow of water is regulated according to the standard being applied. The containers are drained via an integrated suction pump. The injection mechanism mounted on the housing allows to be quickly and easily rinsed after the classification process.

TEST DESCRIPTION

The screens are fitted in descending order of perforation size into the fibre classifier. The paper filters are placed in the suction housings under the container, which is then closed. When the start button is pressed, water flows into the units. As soon as the last container is full, the start button is pressed again. The flow of water through the classifier stops and the sample is added to the uppermost container. After the filling time, the agitators and water flow starts automatically, and the classification process begins. After this period has elapsed the agitators come to a standstill and the addition of water stops. Opening the fasteners and starting the vacuum pump extracts the suspension. During rinsing the rest of the fibres collect in the filter. It can then be removed, dried and weighed.

Classifier container with quick clamping device

TECHNICAL DATA

DEVICE/INSTRUMENT

- Fully automated test procedure
- Quick clamping allows easy insertion and removal of the screens
- Time switch for setting standardised running times
- Special agitator (580 UpM)
- Built-in suction pump for emptying each container
- Spraying device for quick rinse
- Included into delivery:
  Standard sieve set
  Sieve storage container

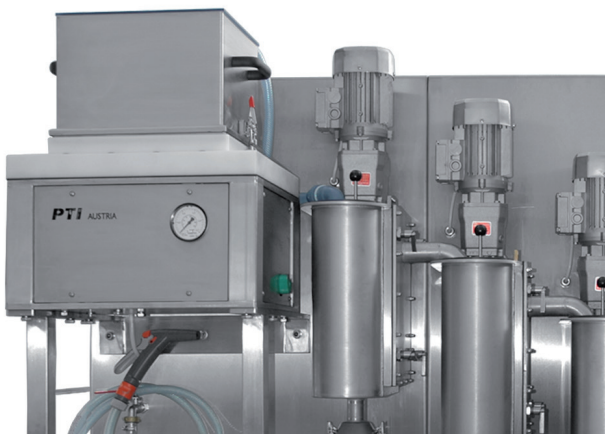
INSTALLATION REQUIREMENTS

Electrical connection	230 V / 50 Hz
Water connection	Yes
Compressed air	No

APPLICABLE STANDARDS

- TAPPI T233

Classifier screens with different mesh sizes



Bauer McNett Fibre classifier with built-on Somerville

SOMERVILLE SHIVE CONTENT ANALYSER

For determination of shive content in pulp.

MODELS

AVAILABLE SLOT PLATE

- 0.15 mm slot width (acc. to standard)
- 0.10 mm slot width
- 0.08 mm slot width

MOST IMPO

- ✓ Sturdy construction made of corrosion-resistant materials only
- ✓ Control box can be wall mounted
- ✓ Installation onto a Bauer McNett fibre classifier possible

PRODUCT DESCRIPTION

The Somerville shive content analyser consists of a robust stainless steel frame, a membrane chamber, and a container. The unit is operated by a control unit on the wall. A motor driven eccentric continuously moves the rubber membrane in a reciprocating motion in the membrane chamber. There is an exchangeable slot plate between the wash chamber and the container. A calibrated ring nozzle with 12 horizontal perforations is fixed in the centre of the slot plate. An overflow is attached to the container, which regulates the level of the water. The slot plate is held in the wash chamber by quick fasteners for easy removal.

TEST DESCRIPTION

The slot plate is placed between the wash chamber and the container. Pressing the ‘fill’ button sprays water through the ring nozzle onto the slot plate. The sample is added when the water reaches the 25 mm mark. As soon as water flows over the weir plate into the overflow, the motor starts. The vibrating motion of the membrane sucks fibres and pieces through the slits that are smaller than the slit width. The shives remain on the plate. On ending the wash cycle the water is drained. The shives remaining on the screen are rinsed off, collected, dried and weighed. The percentage of shive to pulp used is calculated.

TECHNICAL DATA

DEVICE/INSTRUMENT

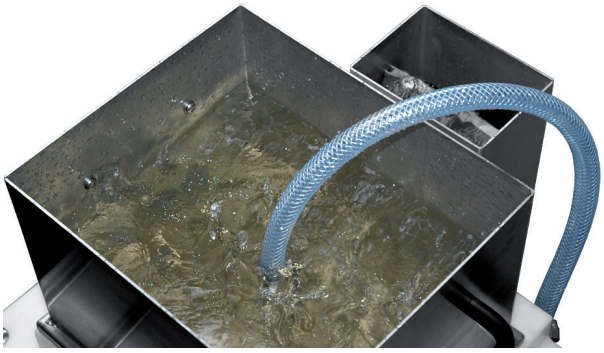
- All parts made of corrosion-resistant materials
- Driving motor safety class IP 55
- Vibration height of the membrane: 3.2 mm
- Calibrated ring nozzle (8.6 l/min at 123.6 kPa pressure)
- Control cabinet wall mounted:
- Sequential control system
- Time switch
- Thermal overload protection
- Included into delivery: 1 slot plate (756 slots, 0.15 x 45 mm)
- IInstalation onto a Bauer McNett fiber classifer *(see page 34)* possible

INSTALLATION REQUIREMENTS

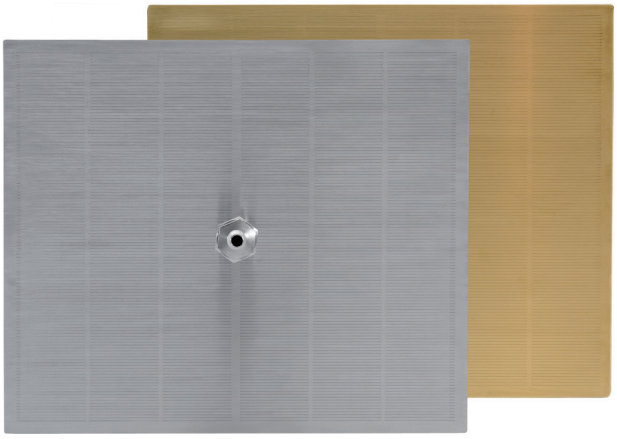
Electrical connection	400 V / 50 Hz / 0.78 kW / 0.84 A
Water connection	Yes
Compressed air	No

APPLICABLE STANDARDS

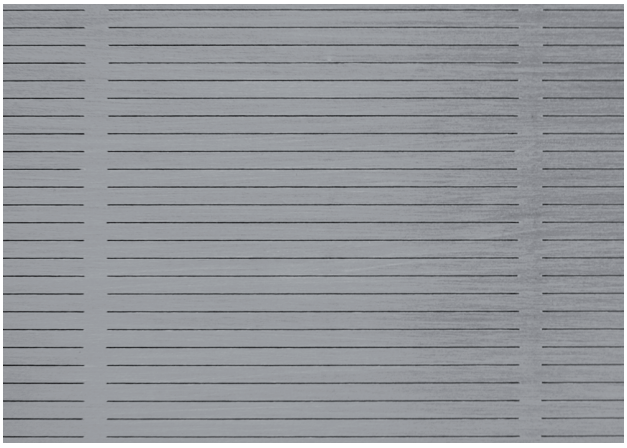
- TAPPI T275
- TAPPI UM 242



Standardised slot plate with a slot size of 0,15 x 45 mm



Slot plate with ring nozzle



Standardised slot plate with a slot size of 0,15 x 45 mm

FIBRE CLASSIFIER ACC. TO BRECHT-HOLL

PRODUCT DESCRIPTION

The fibre classifier acc. to Brecht-Holl is manufactured from corrosion resistant materials. Below the slot plate is a rubber membrane which is in continual reciprocating movement, driven by an eccentric. Above the screen plate is a spray ring to inject the water at the centre. The eccentric moves the membrane at 200 strokes per minute. The standard version has a slot width of 0.2 mm.

TEST DESCRIPTION

A weighed pulp sample is added to the water in the water container. A spray ring sprays water on the slot plate. Fibres and pieces that are smaller than the slots are sucked through the plate by the vibrating motion of the membrane and washed away. The shives remain on the plate. Once the wash cycle is complete, the water is drained, the shives washed off the slot plate, collected, dried and weighed. The percentage of shive to pulp used can then be calculated.

TECHNICAL DATA

DEVICE/INSTRUMENT

- All parts made of corrosion-resistant materials
- Driving motor safety class IP 55
- Mechanism to change the slot plate
- Tilt-back washing chamber
- Eccentric tappet speed: 200 strokes/min
- Quick adjustment of the stroke height
- Nozzle ring for water injection
- Adjusting and display of the water pressure by a manometer
- Included into delivery:
- 1 slot plate with 0.20 mm slot width
- 2 sieve plates with DIN 50 and DIN 16 wire cloth
- Optional available:
  Slot plates with 0.25 mm, 0.15 mm or 0.10 mm slot width

INSTALLATION REQUIREMENTS

Electrical connection	400 V / 50 Hz
Water connection	Yes
Compressed air	No

APPLICABLE STANDARDS

- Zellcheming Merkblatt VI/1/66

Upper part designed as ring water tank

FIBRE CLASSIFIER ACC. TO HAINDL

Slot plate

PRODUCT DESCRIPTION

The fibre classifier acc. to Haindl is manufactured from corrosion resistant materials. Below the slot plate is a rubber membrane which is in continual reciprocating movement, driven by an eccentric. Above the screen plate is a calibrated ring nozzle to inject water. The eccentric moves the membrane at 200 strokes per minute. The standard version has a slot width of 0.15 mm.

TEST DESCRIPTION

A weighed pulp sample is added to the water in the water container. A ring nozzle sprays water on the slot plate. Fibres and pieces that are smaller than the slots are sucked through the plate by the vibrating motion of the membrane and washed away. The shives remain on the plate. Once the wash cycle is complete, the water is drained, the shives washed off the slot plate, collected, dried and weighed. The percentage of shive to pulp used can then be calculated.

TECHNICAL DATA

DEVICE/INSTRUMENT

- All parts made of corrosion-resistant materials
- Driving motor safety class IP 55
- Mechanism to change the slot plate
- Further developement of the Brecht-Holl Fibre Classifier
- Eccentric tappet speed: 1 – 200 strokes/min adjustable
- Calibrated ring nozzle for water injection
- Included into delivery:
  1 Slotplate with 0.15 mm slot width
- Optional available:
  Slot plates with 0.25 mm, 0.15 mm or 0.10 mm slot widthh

INSTALLATION REQUIREMENTS

Electrical connection	230 V / 50 Hz
Water connection	Yes
Compressed air	No

APPLICABLE STANDARDS

- Zellcheming Merkblatt VI/1/66

CHIP CLASSIFIER

For quick determination of the size distribution of wood chips.

MOST IMPORTANT BENEFITS

- ✓ Robust frame with built-in motor and control box
- ✓ Time switch for adjusting the sequence time
- ✓ Quick clamping device for easy mounting of the sieve sets
- ✓ Screen baskets made of lightweight stainless steel sheets
- ✓ Optional available: suitable balance

PRODUCT DESCRIPTION

The chip classifier has a robust structure, with motor and control panel built in. A timer allows adjustment of screen operation time. An eccentric cam continually moves the shaking table with a reciprocating motion. A quick clamping device allows quick mounting of the screen trays, which are constructed from lightweight stainless steel.

TEST DESCRIPTION

The empty screen trays are weighed and fixed securely to the chip classifier with a quick clamping device. The dry sample is added to the upper tray. When the start button is pressed, the device begins classification by shaking the screen assembly. The chips are sorted according to size, whereby the larger chips remain in the upper tray, and the dust collects in the lowest tray. Once the set time has elapsed, the chip classifier stops automatically. Then the trays with contents can be removed, reweighed, and the individual fractions are calculated.

MODELS

STANDARD SIEVE SET (5 PCS) ACC. TO SCAN 40:01

45 mm round hole	7 mm round hole
8 mm bar sieve	3 mm round hole
13 mm round hole	Dust tray

STANDARD SIEVE SET (5 PCS) ACC. TO SCAN 47:92

10 mm bar sieve	4 mm bar sieve
8 mm bar sieve	2 mm bar sieve
6 mm bar sieve	Dust tray

STANDARD SIEVE SET (5 PCS) ACC. TO TAPPI

1/8 In	3/16 In	1/4 In	3/8 In
1/2 In	5/8 In	3/4 In	7/8 In
1 In	1 1/8 In	1 1/4 In	Dust tray

- Standard sieve set acc. to GOST
- Other sieves available on request

TECHNICAL DATA

DEVICE/INSTRUMENT

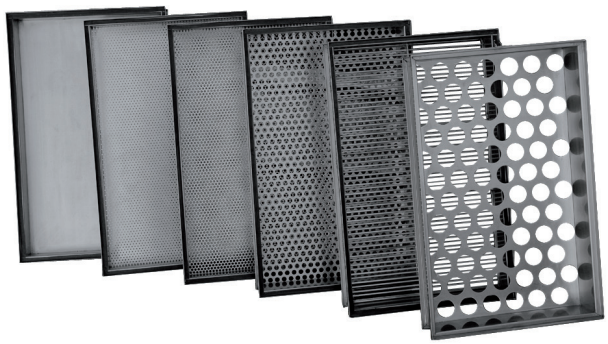
- Robust Frame with built-in motor and control box
- Time switch for adjusting the sequence time
- Quick clamping device for easy mounting the sieve sets
- Default sieve set consists of 5 screens and a dust tray
- Screen trays made of lightweight stainless steel sheets
- Sieve trays and dust tray are numbered for easy handling
- Optional available: suitable balance

INSTALLATION REQUIREMENTS

Electrical connection	230 V / 50 Hz / 10 A
Water connection	No
Compressed air	No

APPLICABLE STANDARDS

- TAPPI UM41
- SCAN 40:01
- SCAN 47:92
- GOST (Round sieves)



Dust tray and standard sieve set

A quick clamping device allows quick mounting of the screen trays

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