Code: **P40140, N2001**

AUTOMATIC SHEET PRESS ACCORDING TO TAPPI

For de-watering and pressing of laboratory hand sheets, produced on TAPPI sheet machines

- Heavy and robust
- Easy to operate
- 2 pressing-cycles programmable
- Completely non-corrosive materials
- Acrylic glass covers
- 4 pneumatic cylinders for even pressure distribution
- Drain at the back
- Pressing area 350x350 mm
- Minimal maintenance
- Maximum pressing force
  at 6 bar supply pressure: 18,500 N
  at 8 bar supply pressure: 24,250 N

Applicable standards:
ISO 5269/1
SCAN C26/M5
PAPTAC C.4
TAPPI T205

Code: **P40140, N2001**

P40140

N2001

Electricity	230 V, 50 Hz
Water supply	None
Compressed air	400 - 600 kPa
Dimensions (WxDxH)	70x45x45 cm
Net weight	100 kg
Gross weight	120 kg

Description

The Sheet Press is intended to de-water and compact freshly prepared hand sheets of all kinds of pulp prior to drying. The pressing cycles are automatically controlled and providing standardised blotters are used, the source of errors is minimized. The first pressing is conducted with reduced closing speed and 5 minutes pressing time. Then the stack is taken out and the blotters replaced with new ones for the second pressing of 2 minutes. Subsequently the sheets are ready for stacking in the PTI drying rings. The base of the press is made of solid 25 mm stainless steel with a smoothly ground surface. It has a groove around the outside to catch the squeezed out water and a hose nipple to connect it to a drain. For personal safety the press cannot be operated with the front cover open.

Test description

Place the couch blotter, hand sheet side up, on a dry blotter and centrally locate it on the press using the press template. Cover the hand sheet with a polished plate, polished side down. For pulps that tend to stick to the polished plate, use the dull finished side and note such use in the report. Repeat this process so that all sheets from a given pulp are stacked together in the press. Do not press more than 15 and preferably not more than 10 sheets at one time. Finally lay a single blotter on the uppermost plate. Close the front cover of the press. Pressing the left start button will slowly raise the pressure to 345 kPa during a period of 30 sec. The timer will maintain this pressure for an additional 5 min and then will open the press again.
Remove the stack from the press. The test sheets should now be adhered to the polished plates so that the blotters can be gently peeled away and discarded. Place a dry blotter on the press. Using the press template as a guide, stack each plate with the test sheet facing up in the press. Place a dry blotter on top of each test sheet. Close the front cover of the press. Pressing the right start button will raise the pressure to 345 kPa, maintain it for 2 min and then open the press again.
For subsequent drying from the wet state to equilibrium in a 50% RH, 23°C atmosphere use the PTI drying rings.

Specifications

P40140

- Pneumatic sheet press
- 2 timers and adjustments for pressing force and closing speed
- All parts made of non-corrosive materials
- Hose nipple to connect to drain
- Pressing area 350 x 350 mm
- Opening 100 mm, or 200 mm
- Maximum pressing force
  at 4 bar supply pressure: 12,400 N
  at 6 bar supply pressure: 18,500 N
  at 8 bar supply pressure: 24,600 N

N2001

- Opening: 245 x 245 mm