

Rapid Conditioning Cabinet

Model: R0013

a measurable difference...

IDM[®]
instruments

The Rapid Conditioning Cabinet has been specially designed and manufactured to pre-condition paper samples in an approximate 30 minute period, to the standard laboratory environment conditions by using the Laboratory air as the final conditioning process, prior to physical testing

The programmed controller allows for two types of conditioning:

1. The 1 ½ minute cycle enables testers to quickly air sample before physical testing occurs by drawing laboratory air through the sheet for a 1 ½ minute period. This routine assists with stabilizing the paper quickly however it does not replace the full rapid conditioning method.

2. The full rapid conditioning cycle runs for a 30 minute period. At the end of this time the fully pre-conditioned paper samples can be tested. This cycle consists of the Rapid Conditioning Cabinet drawing laboratory air through the sample, while stepping through a heating / cooling sequence, hence allowing the paper samples to stabilize to 23°C, 50 RH.



Application:

During grade change or shift hand over's, sometimes the results obtained by testers are very close or just out side of acceptable shipping limits. By placing new samples from the same reel into the Rapid Conditioning Cabinet for retesting, it is possible to re-evaluate the samples at the end of the 30 min cycle. This faster conditioning enables quicker evaluation of suspect paper reels, so the paper manufacturer can make necessary decisions to either release or reject, where if the standard conditioning methods were employed, it would take 24 hours before a decision could be made and possibly having to reject or down grade several rolls of paper.

Benefits:

- Reducing waste
- Reducing reject rolls
- Speeding up roll acceptance.
- Speeding up the turnaround of test results
- Minimise test variability due to moisture content.





Features:

- Push button start
- Industrial digital temp controller
- Fully programmable controller
- Controller lock out function
- Testing sequence indication
- 6 sample holders
- Blower flowrate: 9,0m³/min
- Sample size: 317 x 317 mm (12.5in)
- Sliding sample holders
- Stainless steel construction
- Quick action latch
- Finned heating element for maximum radiant heat displacement
- Temp Range: Ambient – 50°C



Loading sample tray

Including:

- 5 meters of flexible duct
- Side channel blower. 3 phase. 11 AMP

Options:

- Sample cutting die
- Sample cutting press
- Digital timer for 1 min conditioning count

Dimensions:

- **H:** 630mm
- **W:** 750mm
- **D:** 650mm
- **Weight:** 85kg

Connections:

- 415V @ 50 Hz, 3 Phase, 16 Amp
- 100 mm flexible duct vent to outside Lab