

SYSTEM FEATURES

The Battery Condenser collects the ginned lint from the lint flue, either directly from gins or from lint cleaners, separates the lint from the conveying air and delivers the lint onto the lint slide in a batt form for feeding the Bale Press.

The Condenser employs a slow-turning screen-drum on which the lint forms into a batt that is discharged between a set of doffing rollers and the air passing through the screen on the drum is discharged out at one end.

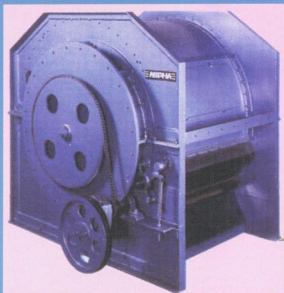
Drum speeds and sizes are varied to suit handling capacity and application.

NIPHA Battery Condensers for installation in lint flue system are normally of "over-shot" design with air discharge from one side only; however, to cater for special requirements, NIPHA also manufactures "under-shot" condensers for better disposal of large volume of air in high capacity plants and double manifold condensers to combat the problem of big ended bales.

NIPHA Battery Condensers are available in drum sizes 760 mm (30"), 1015 mm (40"), 1220 mm (48"), 1525 mm (60") and 1830 mm (72") dia and 1015 mm (40"), 1345 mm (53"), width

A proper design of Battery Condenser is imperative for proper formation of lint bales at the Bale Press.

Contact NIPHA for right selection of your condenser design.



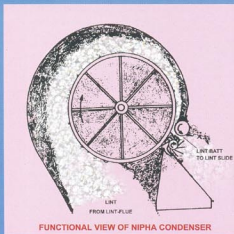
STANDARD NIPHA CONDENSER Model 'NBC'

ALTERNATIVE DESIGN

- NIPHA also manufactures special purpose condensers for miscellaneous cotton lint handling applications including charging of lint cleaners.
- "Optional" features in condensers include:
 - Adjustable drum speed to avoid breaks in the batt inspite of time-to-time large variations in lint production.
 - Provision of additional compacting rollers along with doffing rollers for enhanced lint feeding to Bale Press in plants provided with humidification of lint at lint slide.
 - Humid air inlet between doffing rollers and compacting rollers.
 - "Under-shot" design condensers and humid air application directly onto the cotton lint still on the screen drum prior to the doffing.
 - Warm dry air from Humidair unit applied on the Screen Drum for keeping it clean and dry inspite of humidair impingement on the lint batt before doffing.

SALIENT FEATURES OF NIPHA BATTERY CONDENSERS

- Designed to work in conjunction with Vane-axial or Centrifugal fan for pneumatic handling of Cotton Lint.
- "Over-shot" design of NIPHA condenser ensures best batt formation and most effective separation of conveying air.
- Fine woven screen for minimising escape of lint with air backed-up by strong welded wire mesh for strength.
- Drum strongly reinforced and screen rigidly fixed for dependable operation with minimal attention.
- Best quality rubber sealing throughout.
- Fixed and Floating Doffing Rollers carefully positioned for increased effective drum area for easy escape of air extracted from the lint.
- Fixed doffing roller flashings form firm seal with concern drum & floating doffing roller to prevent air leakage.
- Optimum Scroll design positively avoids the chance of batt fracture
- Spring tensions for floating doffing rollers are adjustable to maintain the right pressure to consolidate the cotton batt.
- Provision of variable pitch steel-and-nylon combination of gear drive between fixed and floating doffing rollers gives silent operation and longer life of gears.
- Simple maintenance; all operating parts are easily accessible and the entire screen drum can be conveniently removed for repair and replacement of component.



A QUALITY PRODUCT DESIGNED FOR

- CAPACITY
- RELIABILITY
- TROUBLE-FREE OPERATION
- HIGH PERFORMANCE
- EASY MAINTENANCE
- LONG LIFE



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NIPHA manufactures the complete range of ginnery equipment including Roller Gins & Saw Gins, Pre-cleaning and Post-cleaning systems, Drying and Humidification, Pneumatic and Mechanical Handling of seed-cotton, cotton seed and cotton lint, Bale Presses, Bale Bagging and Weighing Lines and Trash Disposal systems.

NIPHA

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