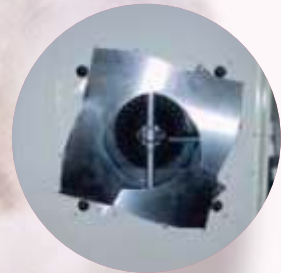


MOISTURE RESTORATION FOR HIGHER PROFITABILITY



- Instant / Online Humidification
- Reduces pressing force
- Reduces power cost per bale
- Improves lint grade & appearance
- High quality construction for longer life
- Improves fibre parameters



Air Inlet screen



Burner Head



Internal View of Lint Slide
For Humidification

“Quality is never an accident. It is the result of an intelligent effort.
There must be a will to produce a superior thing.

- JOHN RUSKIN”

**DESIGNED WITH THE USER IN MIND;
OVER 60 YEARS OF EXPERIENCE AT HAND!**

BAJAJ HUMIDIFICATION SYSTEM

Humid Air Humidification system is being successfully used world-wide including developed Country like USA. This is a unique device manufactured by Bajaj Steel Industries Limited at par with world best technology available for moisture restoration in cotton lint applying psychometric principles. It is a Humidifier for generation of Humid hot air free from water droplets. The vapour phase transfer of moisture at the diffuser assures controlled and positive enhancement of moisture content in lint to highest acceptable level, as per international standard. This reduces pressing force of bale press resulting in lower power consumption per bale.

TECHNICAL DATA

Evaporation Capacity (Max)	: 4.08 Litres/Minute
Evaporation Capacity (Typical)	: 2 Litres/Minute
Fresh Water Requirement	: 14 Litres/Minute
Maximum moist air CFM	: 1000 CFM
Heating Efficiency	: 1290 Btu/pound of water evaporated
Water Purge Rate (Typical)	: 0.45 Litres/Minute
Fuel Requirement	: Diesel (HSD)
Std Electrical Power configurations	: 230 V /50 Hz
Maximum Burner Output	: 2,00,000 K Cal/hr
Typical Burner Output	: 1,00,000 K Cal/hr
Fuel consumption (Max.)	: 20 Litre/hr
Fuel consumption (Typical)	: 10 Litres/hr (for a typical press of 20 BPH)
Nozzle / Piping materials	: Stainless Steel
Combustion Controls	: Internal to Burner assembly
Air Temperature Controls	: User set point PID controlled by Burner
Water Temperature Control	: Manual Valve
Purge System	: Manual

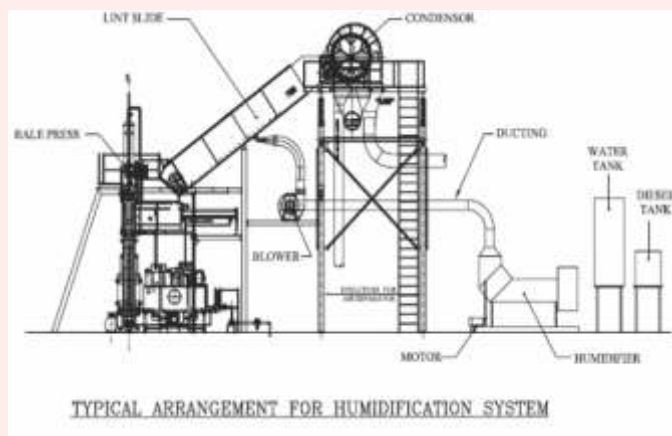
ACCESSORIES SUPPLIED WITH SYSTEM:

A Large capacity fan to create sufficient air pressure to induct moist air in the system & recycle it, SS Louvers for the lint slide , PU coated hood for the lint slide, Kicker roller for the lint slide with drive arrangement , Required ducting for the connections, diesel tank.

OPTIONAL SUPPLY: Water tank of capacity 10,000 liters, Platform Structure, Complete range of spares.

SALIENT FEATURES :

- Instant humidification by easing out wax surface of the fibre and recuperation after humidification by cooling effect for retained moisture.
- Preserves fiber length, improves strength and uniformity and reduces short fiber content.
- Eliminates moisture condensation which is a general problem with all other moisturisation techniques.
- Increases the lint slide capacity and allows more cotton to enter the press box at each stroke of the tramper and hence higher density bale is obtained.
- Improves the capacity of the bale press whereas dry cotton requires higher compression forces and more time to charge and compact it into the press box.



BAJAJ GINNING EQUIPMENTS & SYSTEMS

Double Roller Cotton Gin~Auto Feeder~Pre Cleaner~Lint Cleaner~Seed Cotton Opener & Cleaner~Pneumatic Conveying and Distribution System of Unginned Cotton for Automatic Plants~Belt Conveyors & Pneumatic Conveying System for Cotton Lint~Cottonseed Conveyors, Elevators~Electricals and Cotton Baling Presses.

ALWAYS USE

BAJAJ GENUINE SPARE PARTS FOR HIGHER QUALITY OUTPUT & BETTER LIFE OF MACHINE

Note : Features shown do not necessarily show the machine / equipments in it's standards form. In view of our policy of continuously improving our products, we reserve the right to alter specifications or designs without prior notice & without liability .



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