

BW Papersystems Curved Infusion Hot Plate for Singlefacer Medium

Challenges of using a variety of medium paper during production

CHALLENGES

- Excessive heat equals dry or flute fracturing for light weight papers; or not enough heat for heavier papers for poor flute formation.
- Inefficient moisture transfer causes dry paper, and flute cracking
- Excess moisture causes wet paper, delamination, blisters; inadequate flute formation and bonding for SC medium papers
- Too much paper tension causes paper fractures
- Increased roll pressures in the Single Facer

CONSEQUENCES

- Quality issues for internal team members & customer claims
- Reduced operational performance.
- Lower production speed (corrugator, converting)
- Can not accept customer orders requiring special papers
- Increased operational cost: material waste, and labor; premature wear of the Singlefacer components

CURVED INFUSION HOT PLATES - A solution for ANY corrugator

Features

Standard (Internal & External Mounting)

- Gun Drilled Technology for Higher Surface Temperature
- Two Steam Systems incorporated in one Infusion Plate
 - Closed System Saturated Steam for Heating by Conduction
 - Open System Overheated Dry Steam (Infusion Steam) for direct heating
- Infusion ON / OFF, Normal / Intensive Control
- Thermocouple allows Infusion Steam ON when Plate at Working Temperature
- Line Speed related Infusion Steam ON / OFF control
- CE Certified Working Environment

Optional (External Mounting)

- Multiple Infusion Sections depending on paper width dependant Narrow / Medium / Wide selection mode
- Adjustable Paper Wrap over the plate from 0 to maximum wrap
- Connection to Wet End Controller for Automatic Control

Optional (Internal & External Mounting)

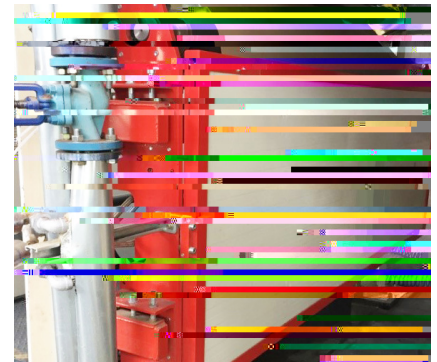
- Complete Steam and Condensate Package with Pressure Control Valve

Advantages

- Paper preconditioning for all grades
- No dry paper
- No wet paper
- Softened fibers for easier flute formation
- Operational flexibility
- Compact design
- 1 weekend installation, easy start-up

Benefits

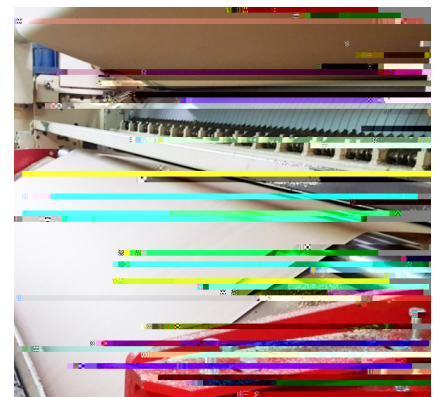
- Higher quality & corrugator output
- Reduced glue consumption
- De-lamination excluded
- Reduced Single Facer roll pressures
- Used for all liner papers
- Fits into a tight space
- No downtime, immediate benefit



External Mounting



Curved Plate for Medium



Internal Mounting

Testimonials

Most of the users of this Infusion Technology Application reported

- 20% - 30% increase for SC papers and other heavier grades (>140 gsm)
- Controlled preconditioning for lighter papers (< 105 gsm)
- Reduced glue consumption due to no dry paper
- Less corrugating roll pressure applied in the Singlefacer

More Testimonials available upon request

Summary

1. Production challenges continue without INFUSION Application
2. Increase productivity WITH BWP's INFUSION Application
3. Increase internal and external customer satisfaction with INFUSION Application

