







BIOMASS DRYING SYSTEM



DIVISION OF
CHICAGO BOILER COMPANY
SINCE 1891







| MODEL | DIMENSIONS LxWxH (in) | BATCH SIZE |
|---------|--------------------------|-------------|
| BDS-110 | 60x88x106 | 94 Gallons |
| BDS-209 | 76x107x112 | 178 Gallons |
| BDS-335 | 80x115x119 | 285 Gallons |
| BDS-575 | 85x128x126 | 489 Gallons |



-  Typical Recovery of Solvent is 37%-52% by Weight
-  Solvent Removed to less than 0.4%
-  Completely Closed System - No vapors, contaminated liquid or risk of exposure
-  Low maintenance - Designed and constructed for maximum duty cycles
-  Explosion-Proof Class 1, Div. 1
-  Reduced Costs - Disposal costs reduced up to 100%

PLC Controls:

- Tie into level control devices
- Control transfer pumps
- High volume recovery
- Accurate heat control
- Process - viewing window

-  Circulated heating oil - Attain process temperature faster and maintain the temperature more efficiently
-  85% Process charge up to 85% Vessel Capacity
-  100% Potential 100% useable Biomass
-  Auto Cool Down - Decreases cycle time by cooling the distillation vessel at the end of the process
-  Screw conveyer feed and discharge
-  Agitated process optimizes heat distribution and minimizes cycle times

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