



MINI LABORATORY SPRAY DRYER



STS001

Technical Specifications >>>

- Evaporation capacity: 500 ml to 1000 ml / hr of
- Feed Rate: 1.0 to 1.5 Ltr/Hr or 1.0 to 1.5 Kg/Hr
Output Product Rate @30 - 40% solid: 400g - 500g/hr
- Suitable For: Aqueous/ Water Based Solvent Feed Solution
- Heating power: 4.5 KW, Single Phase
- Max inlet temp.: 260° C; Accuracy $\pm 5^{\circ}$ C
- Hot air flow: Co-current
- Nozzle type: Two-fluid nozzle
- Nozzle diameter: 1.0 mm / 0.7 mm
- Typical yield: 40 - 70 %
- Operating conditions: Open
- Power consumption: Max. 19 amps
- Voltage: 200 - 230 V; 50/60 Hz
- Dimension (H x W x D): 1250 x 500 x 600 (mm)
- Weight: 95 kg
- Blower Type: 0.5 HP Aspirator

Features >>>

- Used for Spray drying Encapsulation and others
- Most Flexible instrument for Lab spray drying
- Cost efficient
- Easy to Handle
- Portable on Wheels
- Aceptic GMP Unit
- Aqueous /Solvent Feed Solutions
- Co-Current Spray Nozzle
- PLC based with 7" Touch screen
- Two-way communication with PC / Laptop & HMI
- Digital Vacuum / Pressure Indicator
- Capacity 1 Lit./Hr. (H2O)
- Built-in Hotplate & Magnetic stirrer controlled through the inbuilt controller
- Built-in Mechanical Stirrer controlled through the inbuilt controller
- Compact Design
- Easy to Move
- Shorter time to Optimize Formulation