Email : sales@laboratoryinstrumentindia.com

Product Name : Mini Spray Dryer	**Product Code :** LBNY-0001-500016

Description :

Mini Spray Dryer

Technical Specification :

Our spray drying solution is perfect for reproducible powder production on a lab scale. With the industry-favourite spray dryer, you can work with small sample amounts of as little as 5 g to save valuable material.
Our spray drying system is characterized by high yields (up to 70%) and low maintenance expenses for a cost-efficient performance.
Fast drying processes (up to 1 L/h) enable you to quickly optimize formulations and save time.

Mini Spray Dryer B-290 Acid:
Power consumption - max. 2900 W
Connection voltage - 200-230 V ± 10 %
Frequency - 50/60 Hz
Evaporating capacity - 1.0 l/h H2O, higher for organic solvents
Airflow - max. Of 35 m3/h,
Motor control - Frequency converter
Max. temperature input - 220 °C
Heating capacity - 2330W

Heating control - PT-100, fuzzy logic, control accuracy ± 3 °C
Interface - Serial port RS-232 for all parameters
Spray gas - Compressed air or nitrogen / 200 - 800 l/h; 5 - 8 bar

Nozzle tip diameter - 0.7 mm standard, other sizes 1.4 and 2.0 mm available
Possible particle diameter range - 1 - 25 ?m
Mean residence time - 1.0 - 1.5 sec.
Pollution degree - 2
Dimensions (W x H x D) - 65 x 110 x 70 cm
Weight - 46 kg
Temperature - 5 - 35 °C
Altitude - up to 2000 m
Humidity - maximum relative humidity 80 % for temperatures up to -31 °C decreasing linearly to 67 % relative humidity at 35 °C Glass assembly - 3.3 borosilicate glass
Nozzle / heater / connection piece - Stainless steel 1.4301 / 1.4305
Seal of product collection vessel - FPM
Seal cyclone / cylinder - Silicone
Polypress tube - EPDM
Product feed tube - Silicone and tygon
Spray Chilling accessory
Power consumption - max. 400 W
Connection voltage - 200-230 V ± 10 %
Frequency - 50/60 Hz
Batch volume - 0.3 liter
Heating control (for B-290) - PT-100, fuzzy logic, control accuracy ± 2°C
Interface - Serial port RS-232 for all parameters
Spray gas - Compressed air or nitrogen / 200 - 800 l/h, 5 - 8 bar
Nozzle tip diameter - 0.7 mm standard, other sizes 1.4 and 2.0 mm available
Possible particle diameter range - 20 - 200 ?m
Mean residence time - 1.0 - 1.5 sec.
Pollution degree - 2
Installation category - II
Dimensions (W x H x D) - 20 x 20 x 30 cm
Weight - 2.4kg
Heating liquid - Water or a thermal oil (polyethylene glycol PEG 400 with low viscosity)
Heating liquid volume - 1.4 liter
Max. the melting point of the sample - 70°C
Temperature - 5 - 35 °C
Altitude - up to 2000 m
Humidity - maximum relative humidity 80 % for temperatures up to -31 °C decreasing linearly to 67 % relative humidity at 35 °C

Inert Loop B-295:
Power consumption - max. 1400 W
Connection voltage - 200-230 V ± 10 %
Frequency - 50/60 Hz
Min. outlet temperature - Down to – 20°C
Rate of cooling - 800 W at -10 °C
Dimensions (W x H x D) - 60 X 70 X 84.5 cm
Weight - 60-88 kg
Temperature - 5 - 35 °C
Altitude - up to 2000 m
Humidity - maximum relative humidity 80 % for temperatures up to -31 °C decreasing linearly to 67 % relative humidity at 35 °C

Dehumidifier B-296:
Power consumption - max. 700 W

Connection voltage - 200/230 V ± 10 %
Frequency - 50/60 Hz
Min. outlet temperature - 0°C
Rate of cooling - 600 W at 0 °C
Dimensions (W x H x D) - 35 x 60 x 40 cm
Weight - 36kg
Temperature - 5 - 35 °C
Altitude - up to 2000 m
Humidity - maximum relative humidity 80 % for temperatures up to -31 °C decreasing linearly to 67 % relative humidity at 35 °C

Mini Spray Dryer, Mini Spray Dryer Equipments, Mini Spray Dryer Tools, Mini Spray Dryer Tool Kits, Mini Spray Dryer Manufacturers, Mini Spray Dryer Suppliers from India, China, Kenya