

## Spray Drying & Encapsulation – Mini Spray Dryer



### Description

The Mini Spray Dryer is the world leading laboratory scale Spray Dryer since many years. It is designed to visualize your Spray Drying process for wide range of applications in various fields such as pharma, materials, chemistry, food, feed, beverages, etc. It allows working with acids, organic solvents or mixtures of aqueous- and organic solvents safely in combination with the Inert Loop and the Dehumidifier.

### Features

#### Inert Loop

- For working in inert atmospheres
- Condensation of solvents
- Feedback of inert gases

#### Dehumidifier

- Constant ambient conditions
- Condensation of water
- For use in combination with Inert Loop for solvents and water-based mixtures

#### Three nozzle variations

- Two-fluid nozzle for particle sizes 2 – 25  $\mu\text{m}$
- Three-fluid nozzle for spraying immiscible fluids
- Ultrasonic Package for particle sizes 10 – 60  $\mu\text{m}$

#### Application-specific glassware

- High-performance cyclonic separator for small particles
- Brown glass for light-sensitive products
- Decontamination flask
- Custom designs also possible

#### Spray solidification bath

- Spray solidification bath for working with molten wax and polymer samples with a melting point of up to 70 °C.

## Benefits

- Proven performance
- Cost efficient
- Easy to use

## Application

- Spray Drying & Encapsulation Pharmaceuticals
- Spray Drying & Encapsulation Food
- Spray Drying & Encapsulation Materials and Nano technology
- Spray Drying & Encapsulation Feed
- Spray Drying & Encapsulation Others
- Spray Drying & Encapsulation Academia



## Products Covered

- Spray drying & Encapsulation- Encapsulator