

SMART Lab Atomizer

Universal laboratory spray dryer for material development and pilot batch production



Advantages

- Plug & Spray
- All-in-one solution
- Easy cleaning
- Small footprint
- High flexibility
- Mobile device

Technical information

- Water evaporation capacity: max. 5 kg/h
- Input temperature: max. 320°C
- Cylindrical height: 1000 mm
- Inner diameter: 1000 mm
- Electrical heating power: 10 kW
- Dust extraction by cyclone and dry filtration
- Pump capacity: max. 0,37 l/min
- Weight: approx. 800 kg

Keyfacts

- Plug & Spray
- All-in-one complete solution
- Mobile unit
- Tilting reactor chamber
- Wide range of applications

Characteristics

- Double wall insulated stainless steel reactor chamber
- Large access door
- Accessibility to all functional units without stairs or ladders
- Simple and easy handling
- Set-up without tools
- Interior lighting
- Integrated control and visualization
- Interface for export of process data

Technologies

- Water-based atomization drying
- Open system
- Nozzle atomization
- Countercurrent process
- Co-current process
- Granulate discharge via reactor cone and cyclone
- Granulate discharge only via cyclone
- Automated cleaning