

SMART Compact Series PRO

Innovative Solution for Small to Medium-Scale Spray Drying



Advantages

- Versatile application
- Engineered for full-scale production
- Flexible process options
- Energy efficient
- Rapid commissioning
- Compact and space efficient

Technical information

Water evaporation capacity:

- PRO S: 5–20 kg/h
- PRO M: 10–40 kg/h
- PRO L: 20–60 kg/h

Input temperature: 250–450°C

Cylindrical height:

- PRO S: 1600 mm
- PRO M: 2000 mm
- PRO L: 3500 mm

Inner diameter:

- PRO S: 1700 mm
- PRO M: 2000 mm
- PRO L: 2500 mm

Keyfacts

- Rapid installation: Delivered pre-assembled and flat-packed, allowing minimal installation time.
- Versatile operation: Supports a range of drying processes that can be adapted for scale.
- Space-efficient design: Compact footprint to maximize available floor space in your facility.

Characteristics

- Scalable production: Engineered for small and medium-scale production.
- Efficient access design: Large access doors and a lower swivel cone for simplified maintenance and cleaning.
- Energy efficiency: Double-wall insulated stainless steel reactor chamber and frequency converters to optimize energy use.
- Process data export interface: Exports process data for analysis and record-keeping.

Technologies

- Water-based atomization drying
- Open system
- Two-fluid nozzle
- Rotary disk atomization
- Counter- & co-current processes
- Granulate discharge via reactor cone and/or cyclone
- Two-stage de-dusting
- Semi-automated cleaning