

Anhydro MasterSpray 2500

Small Scale

The small scale spray drying plant, Anhydro MasterSpray 2500, is designed for drying of products in small scale production, R&D departments, universities and public institutions worldwide. This dryer is designed with specific focus on flexibility in the design and configuration, safety during operation, process control, ease of cleaning/sanitary design and scalability.

Anhydro MasterSpray 2500 is used worldwide by customers in the food, dairy, chemical and pharmaceutical industries.

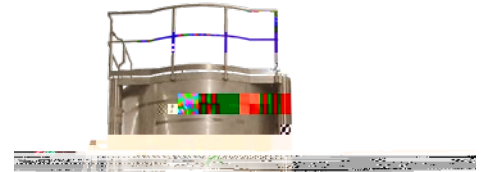
The design of the Anhydro MasterSpray 2500 is based on a unique modular concept consisting of a basic plant and a large number of optional items, which enables customers to customize each plant to match their exact requirements.

Included Equipment for a Basic Plant

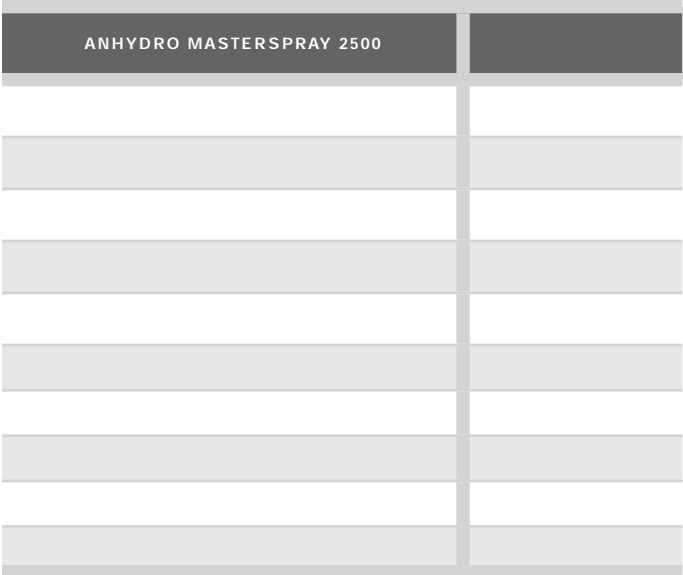
- Feed pump
- Feed tank
- Water tank
- Feed pipe
- Two-fluid nozzle atomizer, co-current
- Air intake filter
- Steam heater for main air and hot air duct
- Drying chamber with rupture disc for explosion protection
- Cyclone with powder container
- Fans and ducts
- Control panel with PLC incl. color touch screen
- Support structure

Optional Equipment for a Basic Plant

- Two-fluid nozzle atomizer, counter-current
- Centrifugal atomizer

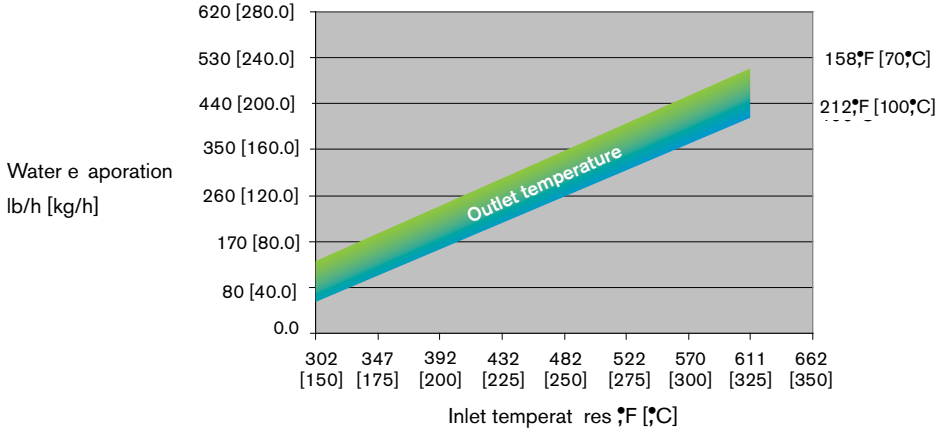


- High pressure nozzle atomizer system
- Additional powder container
- Direct or indirect gas fired heater
- Electrical booster heater combined with steam heater
- Vent duct
- Indoor explosion venting system
- Explosion suppression system
- Pneumatic hammers
- Two point discharge
- Rotary valve
- Hepa filters
- Bag filter
- Air broom
- Powder cooling and conveying system
- Wet scrubber
- CIP system
- Simple integrated cleaning system (ICS)
- GMP documentation (IQ, OQ)
- GMP execution
- Noise attenuation
- Data-logging



* Approximately.

The MasterSpray 2500 plant complies with regulations and standards according to CE and ATEX.



Process o

