

## Anhydro MasterSpray 1250 Multi-Stage

Small Scale

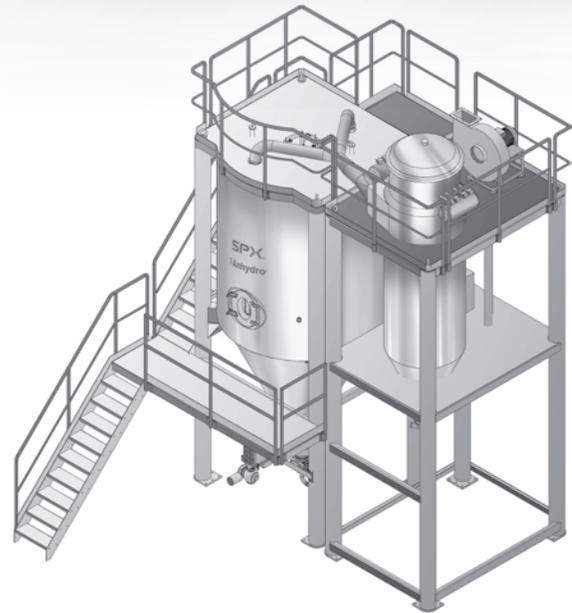
The Anhydro MasterSpray 1250 multi-stage is a small-scale production plant designed to deliver trustworthy drying results.

The Anhydro MasterSpray 1250 multi-stage has been specially designed for industrial small-scale production as well as continuous production.

The unique modular concept allows customers to select a quite basic plant to which a vast number of high quality standardized modules can be added. The Anhydro MasterSpray 1250 multi-stage performs fully up-scaleable results and has received particular interest in the industry of food additives, e.g. flavors, plant extracts and functional foods. Also the pharmaceutical sector and the dairy sector use this dryer as a production unit and a pilot plant, respectively.

### Included Equipment for a Basic Plant

- Feed pump
- Feed tank
- Water tank
- Feed pipe
- Two-fluid nozzle atomizer, co-current
- Air intake filter
- Electrical air heater for main air and hot air duct
- Drying chamber with rupture disc for explosion protection
- Integrated fluid bed with separate air supply system and fines return system under the cyclone
- Cyclone
- Fans and ducts
- Control panel with PLC incl. color touch screen
- Support structure



### Optional Equipment for a Basic Plant

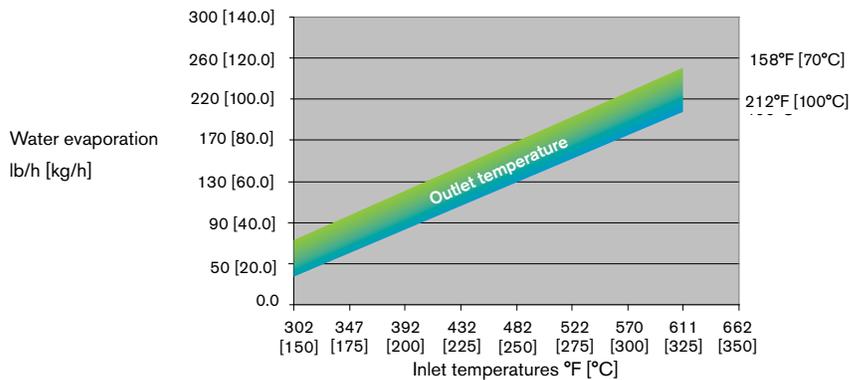
- High pressure nozzle atomizer system
- Data-logging
- Direct or indirect gas fired heater
- Vent duct
- Explosion suppression system
- Pneumatic hammers
- Hepa filters
- Bag filter
- Air broom
- External fluid bed
- Wet scrubber
- CIP system
- Integrated cleaning system (ICS)
- GMP execution
- Steam heater
- Single-stage equipment

ANHYDRO MASTERSPRAY 1250 MULTI-STAGE	
MAX. INLET AIR TEMPERATURE	617 °F [325°C]
MAX. WATER EVAPORATION (OUTLET TEMP. 158°F [70°C])	242 LB/H [110 KG/H]
MAX. DRYING AIR RATE	2,756 LB/H [1,250 KG/H]
DRYING CHAMBER DIAMETER	84 IN [2,150 MM]
POWER SUPPLY, STANDARD, AT 50 Hz	3x400 V
SUCTION FAN	10 HP [7.5 kW]
MAIN AIR HEATER	108 kW
AIR HEATER IN INTEGRATED FLUID BED	10 kW
IFB FAN	4 HP [2.7 kW]
PRESSURE FAN	5 HP [4.0 kW]
FINES RETURN BLOWER	3 HP [1.75 kW]

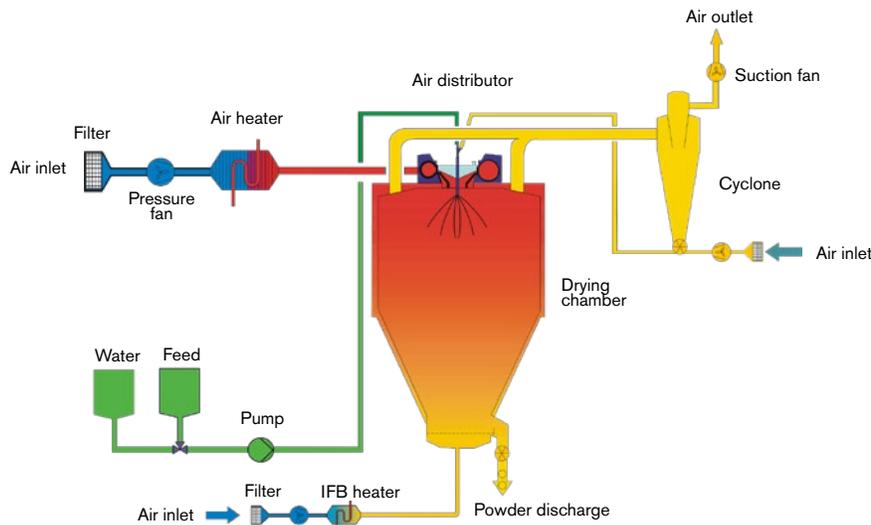
ANHYDRO MASTERSPRAY 1250 MULTI-STAGE	
FEED PUMP	3/4 HP [0.5 kW]
COMPRESSED AIR CONSUMPTION AT 22 TO 80 PSI [1.5 TO 5.6 BAR] (G)	3-7.5 CFM [85-212 L/MIN]
PRESSURE SHOCK RESISTANCE	14.5 PSI [1 BAR]
MAX. KST. VALUE (WITH RUPTURE DISC)	200 BARxMxS <sup>-1</sup>
NOISE EMISSION*	85 dB (A)
PRODUCT CONTACTING PARTS	AISI 316
EXTERNAL SURFACES	AISI 304
FLOOR SPACE LxW	18x10.2 FT [5,500x3,100 MM]
HEIGHT	22 FT [6,700 MM]
TOTAL FREE HEIGHT	25.6 FT [7,800 MM]

\* Approximately.

The MasterSpray 1250 multi-stage plant complies with regulations and standards according to CE, ATEX and cGMP.



### Process flow



Based in Charlotte, North Carolina, SPX FLOW, Inc. (NYSE: FLOW) is a multi-industry manufacturing leader. For more information, please visit [www.spxflow.com](http://www.spxflow.com)

# SPXFLOW

SPX FLOW 105 CrossPoint Pkwy, Getzville, NY 14068

P: +1 (716)-692-3000 E: [leads@spxflowleads.com](mailto:leads@spxflowleads.com)

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