

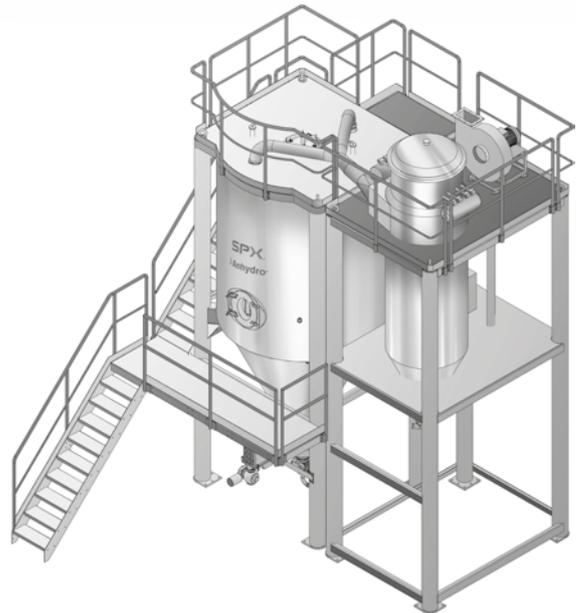
Anhydro MasterSpray 1250 Multi-Stage

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

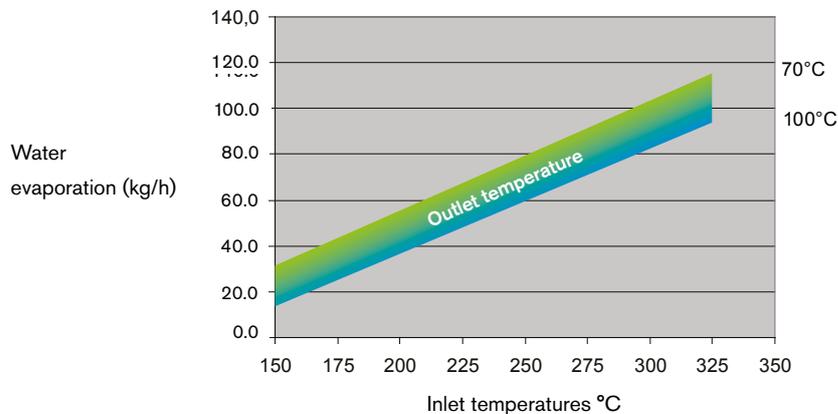
- High pressure nozzle atomizer system
- Data-logging
- Direct or indirect gas fired heater
- Vent duct
- Explosion suppression system
- Pneumatic hammers
- Hepa filters
- Bag filter
- Air broom
- External fluid bed
- Wet scrubber
- CIP system
- Integrated cleaning system (ICS)
- GMP execution
- Steam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

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

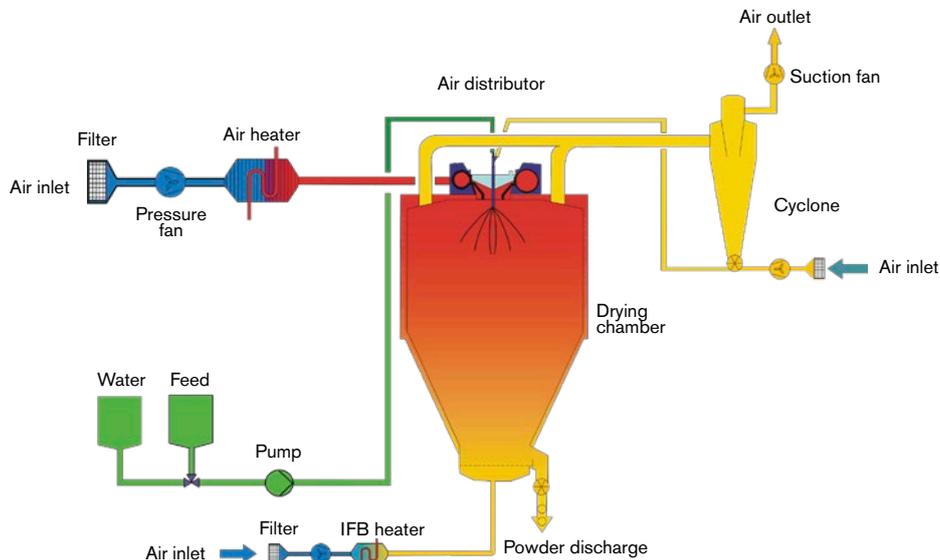
| ANHYDRO MASTERSPRAY 1250 MULTI-STAGE | |
|--|---------------------------|
| FEED PUMP | 0.5 kW |
| COMPRESSED AIR CONSUMPTION AT 1.5 TO 5.6 BAR (G) | 85-212 L/MIN |
| PRESSURE SHOCK RESISTANCE | 1 BAR |
| MAX. KST. VALUE (WITH RUPTURE DISC) | 200 BARxMxS ⁻¹ |
| NOISE EMISSION* | 85 dB (A) |
| PRODUCT CONTACTING PARTS | AISI 316 |
| EXTERNAL SURFACES | AISI 304 |
| FLOOR SPACE LxW | 5,500x3,100 MM |
| HEIGHT | 6,700 MM |
| TOTAL FREE HEIGHT | 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

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