The small scale spray drying plant, Anhydro MicraSpray 750, 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 MicraSpray 750 is used worldwide by customers in the food, dairy, chemical and pharmaceutical industries.

The design of the Anhydro MicraSpray 750 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
- Electrical air heater for main air and hot air duct
- Drying chamber with rupture disc for explosion protection
- Cyclone with powder container
- Fan and duct
- Control panel with PLC incl. touch color screen
- Support structure

**Optional Equipment for a Basic Plant**
- Two-fluid nozzle atomizer, counter-current
- Centrifugal atomizer
- High pressure nozzle atomizer system

**Other Version**
- Direct or indirect gas fired 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
- Datalogging

- Closed circuit
ANHYDRO MICRASPRAY 750

| MAX. INLET AIR TEMPERATURE | 350°C |
| MAX. WATER EVAPORATION (OUTLET TEMP. 70°C) | 77 KG/H |
| MAX. DRYING AIR RATE | 750 KG/H |
| DRYING CHAMBER DIAMETER | 1,600 MM |
| POWER SUPPLY, STANDARD, AT 50 Hz | 3x400 V |
| SUCTION FAN | 6 kW |
| MAIN AIR HEATER | 70 kW |
| FEED PUMP | 0.5 kW |
| COMPRESSED AIR CONSUMPTION AT 1.6 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 |
| NON-PRODUCT CONTACTING SURFACES | AISI 304 |
| FLOOR SPACE LxW | 4,150x4,300 MM |
| HEIGHT | 5,200 MM |
| TOTAL FREE HEIGHT | 6,000 MM |
| SHIPPING VOLUME | 48 M³ |
| WEIGHT, GROSS* | 3,400 KG |
| WEIGHT, NET* | 2,500 KG |

* Approximately.

The MicraSpray 750 plant complies with regulations and standards according to CE and ATEX.

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

SPX FLOW, Inc. reserves the right to incorporate our latest design and material changes without notice or obligation.

Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region. For more information visit www.spxflow.com.

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