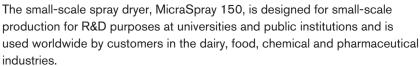
# >Anhydro<sup>®</sup>

### **MICRASPRAY 150**

**ANHYDRO SMALL-SCALE PLANTS** 





The small-scale spray dryer is designed with specific focus on flexibility in design and configuration, safety during operation, process control, easy cleaning, sanitary design, and scalability. It is based on a unique modular concept consisting of a basic plant and a large number of optional items, enabling customers to customise each plant to match their exact requirements.

#### **Basic Plant Equipment**

- Feedvat
- Peristaltic feed pump
- Feedline
- Two-fluid nozzle atomizer, co-current
- Air intake filter
- Electrical air heater
- Drying chamber with rupture disc for explosion venting
- Drying chamber prepared for installation of pneumatic hammer(s)
- Cyclone with powder container
- Exhaust fan and ducting
- Control panel with PLC incl. touch screen
- Data logging
- Support structure
- Butterfly valve

#### **Options**

- Two-fluid nozzle atomizer, counter-current
- Centrifugal atomizer with optional ATEX components
- Fine inlet air filter or HEPA filters
- Pneumatic hammer
- Two-point powder discharge
- Rotary valve
- Bag filter
- Additional powder container
- Outdoor explosion venting system
- Indoor explosion venting system
- Simple manual cleaning equipment
- GMP/Qualification documentation (IQ, OQ)

### Other configurations

Closed circuit

For specific requirements, please contact SPX FLOW

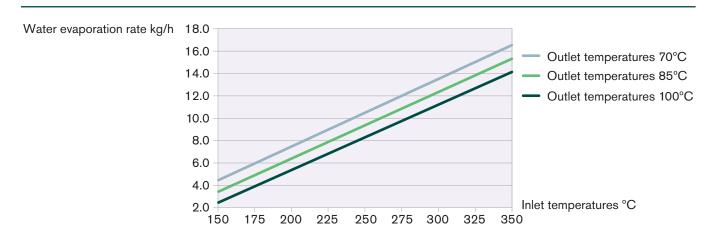


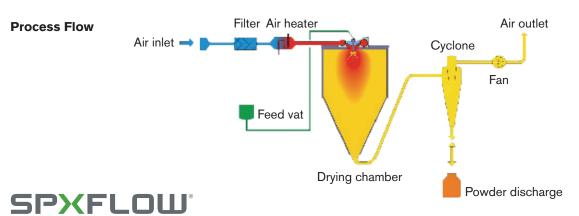
## >Anhydro<sup>®</sup>

ANHYDRO MICRASPRAY 150	
Max. inlet air temperature	350°C
Water evaporation (outlet temp. 70°C)	Approx. 16 kh/h
Nominal drying air rate	150 kg/h
Drying chamber diameter	900 mm
Power supply, standard, at 50 Hz	3x400 V
Suction fan	3 kW
Air heater	15 kW
Compressed air consumption	50-250 NL/min
Pressure shock resistance, chamber	1 bar
Pressure shock resistance, cyclone	10 bar

ANHYDRO MICRASPRAY 150	
Pressure shock resistance, fan	10 bar
Max. Kst. Dust Exp. class (with rupture disc)	299 bar*m*S-1bar m/s
Noise emission level	85 dB(A)
Product contacting parts	AISI 316L
External surfaces	AISI 304
Floor space L x W	2.5*1.35 m
Height	2.5 m
Recommended free height	3.2 m
Weight, net approx.	900 kg

The MicraSpray 150 plant design complies with CE, ATEX, and GMP guidelines for food contact material.





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.