

## Anhydro MicraSpray 75

Small Scale

The small scale plant, Anhydro MicraSpray 75, is designed especially for pharmaceutical R&D work as well as small scale and continuous production.

The unique modular concept makes it possible to start with a basic plant onto which a vast number of high quality standardized modules can be added.

The Anhydro MicraSpray 75 performs fully transferable results and has attracted particular interest in the pharmaceutical and dairy sectors and within food additives, nutrition, flavors, plant extracts and functional foods. This dryer can be used for both production and pilot plant applications.

The Anhydro MicraSpray 75 enables the design of particles with specified characteristics in a controlled environment, making it ideal for small scale conversion of liquids into powders. The spray drying principle offers a clear path forward with predictable scalability enabling straightforward transfer from the laboratory to manufacturing.

### cGMP Design for Clinical Production

- Fast processing
- Aqueous and non-aqueous formulations - fully closed circuit option
- Molecule stabilization
- Amorphous compound isolation
- Solid dispersions
- Processing of heat liable materials
- Inhalation delivery of fine particles
- Morphology control
- Micro encapsulation
- Controlled release
- Taste masking



### May Replace the Following Unit Operations

- Lyophilization
- Centrifuging
- Crystallization
- Filtering
- Extraction
- Milling
- Classification

### Special Executions Available

- Pyrogen free processing
- Aseptic processing
- Potent compounds
- Live biologics

### Other Versions

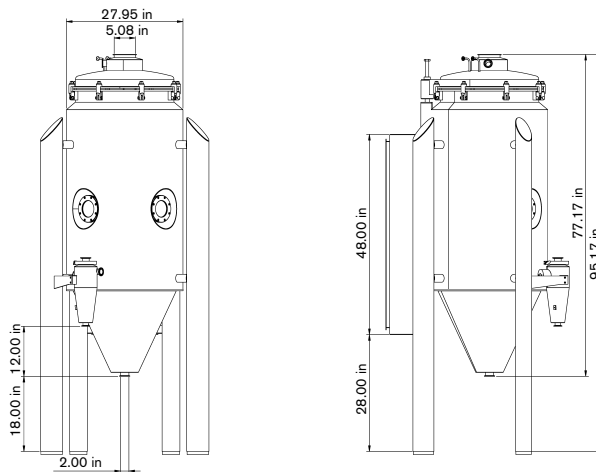
- Closed circuit

ANHYDRO MICRASPRAY 75	
MAX. INLET AIR TEMPERATURE	200°C
OUTLET GAS TEMPERATURE	30-120°C
MAX. WATER EVAPORATION (OUTLET TEMP. 60°C)	3 KG/H
MAX. DRYING GAS RATE	75 KG/H
DRYING CHAMBER DIAMETER	600 MM
SUPPLY VOLTAGE	208-400 VAC
POWER REQUIREMENT	8 kW
CONSUMPTION OF COMPRESSED AIR OR NITROGEN AT 6 BAR	45 SCFM
CONSUMPTION OF COMPRESSED AIR OR NITROGEN AT 6 BAR	77 SCM <sup>H</sup>

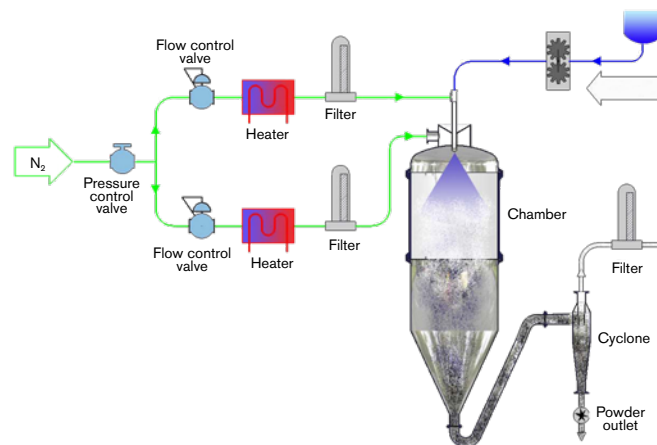
ANHYDRO MICRASPRAY 75	
AUTOMIZATION GAS RATE	0-15 KG/H
NOMINAL PRESSURE RATING	2 BAR
PRODUCT CONTACTING PARTS	AISI 316
NON-PRODUCT CONTACTING PARTS	AISI 304
FEED RATE	0.8 TO 8 KG
FLOOR SPACE	1.5 M <sup>2</sup>
HEIGHT	2,656 MM
WEIGHT, NET	300 KG
SHIPPING VOLUME	5 M <sup>3</sup>

Each Anhydro MicraSpray 75 plant is supplied with either an Allen Bradley color touch PanelView 1000 or with a Siemens MP 377. Critical process parameters are measured and controlled to tight tolerances providing accurate, validatable process results. SPX FLOW has incorporated wireless technology into the operators interface which enables the user to control the system from any viewable location, providing safe flexible operation of the plant.

The MicraSpray 75 complies with regulations and standards according to CE, ATEX and cGMP. The electrical equipment complies with Atex Zone 2/ Class 1 Div.II.



### 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

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