The Anhydro MicraSpray 75, is designed especially for pharmaceutical drug discovery and investigational work, as well as GLP and CGMP clinical medicine production to support NDA studies and post approval production.

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

The MicraSpray 75 performs fully transferable results and may be applied to any processing sector where consistent operation and clean product are desired, and has received particular interest in the dairy sector as well as food additives, flavors, plant extracts, hi-tech ceramics and fine chemicals.

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 labile materials
- Inhalation delivery
- 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

<table>
<thead>
<tr>
<th>MAX. INLET AIR TEMPERATURE</th>
<th>200°C</th>
<th>MAX. DRYING GAS RATE</th>
<th>75 kg/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTLET GAS TEMPERATURE</td>
<td>30-120°C</td>
<td>AUTOMIZATION GAS RATE</td>
<td>0-15 kg/h</td>
</tr>
<tr>
<td>MAX. WATER EVAPORATION (OUTLET TEMP. 60°C)</td>
<td>3 kg/h</td>
<td>PRESSURE SHOCK RESISTANT</td>
<td>2 bar</td>
</tr>
<tr>
<td>MAX. DRYING GAS RATE</td>
<td>75 kg/h</td>
<td>PRODUCT CONTACTING PARTS</td>
<td>AISI 316</td>
</tr>
<tr>
<td>DRYING CHAMBER DIAMETER</td>
<td>600 mm</td>
<td>NON-PRODUCT CONTACTING PARTS</td>
<td>AISI 304</td>
</tr>
<tr>
<td>SUPPLY VOLTAGE</td>
<td>208-400 VAC</td>
<td>FEED RATE</td>
<td>0.8 to 8 kg</td>
</tr>
<tr>
<td>POWER REQUIREMENT</td>
<td>8 kw</td>
<td>FLOOR SPACE</td>
<td>7 m²</td>
</tr>
<tr>
<td>CONSUMPTION OF COMPRESSED AIR OR NITROGEN AT 6 BAR</td>
<td>45 SCFM</td>
<td>HEIGHT</td>
<td>2418 mm</td>
</tr>
<tr>
<td>CONSUMPTION OF COMPRESSED AIR OR NITROGEN AT 6 BAR</td>
<td>77 Nm³/h</td>
<td>WEIGHT, NET</td>
<td>300 kg</td>
</tr>
</tbody>
</table>

*The MicraSpray 75 complies with regulations and standards according to European and American clinical regulations and regulations and standards according to CE, ATEX and cGMP. Validation documentation is provided. The electrical equipment complies with UL, NFPA with Class 1 Div. II ex rating. Other standards provided on request.*

### Process flow

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Process flow

[Diagram of process flow showing flow control valves, pressure control valve, heater, filter, chamber, cyclone, powder outlet]
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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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