



MicraSpray 750

The Anhydro MicraSpray 750 is one of the most versatile plants in the Small Scale Plants range, and is designed to deliver trustworthy, up-scalable drying results.



Equipment Supply, Basic Plant

- Feed pump, feed tank, water tank and feed pipe
- Two-fluid nozzle atomizer, co-current
- Air intake filter, electrical air heater for main air, and hot air duct
- Drying chamber, complete with rupture disc for EX-protection
- Cyclone with powder container
- Fan and ducts
- Control panel with PLC, graphical soft-touch colour screen
- Support structure

Optional Equipment

- Two fluid nozzle counter-current
- Centrifugal atomizer
- High Pressure atomizer system
- Data logging facility
- Direct / indirect heaters
- Vent duct
- Indoor Explosion Venting System
- Pneumatic hammers
- Two point discharge
- Rotary valve
- Bag filter
- Air Broom
- Wall sweep system
- Powder cooling and conveying system
- Wet scrubber
- CIP System
- Integrated Cleaning System



The Anhydro Small Scale Plant, Type MicroSpray 750 has been specially designed for industrial R&D work, as well as for small scale, campaign and continuous production.

The unique Modular Concept allows our customers to select a quite basic plant, onto which a vast number of high quality standardised modules can be added. The MicroSpray 750 performs fully up-scaleable results and has received particular interest in the industry of food additives, e.g. flavours, plant extracts and functional foods. Also the pharmaceutical sector and the

Technical data

Process Design Data:

Max. Inlet air temp.	350°C
Max. Water Evaporation 350°C (To=70°C)	77 kg/h
Max. Drying Air rate	750 kg/h
Drying chamber dia.	1600 mm

Installed Power:

Power supply, std.	3 × 400 V/50 Hz
Suction fan	6.0 KW
Main Air Heater	70 KW
Feed pump	0.5 KW

Consumption:

Compressed air (at 1.5-5,6 bar (g))	85-212 l/min.
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Safety:

Pressure shock resistance	1 bar (g)
With Rupture Disk, max Kst. Value	200
Noise emission	80 dB (A)
Pneumatic hammers	90 dB (C)

Materials:

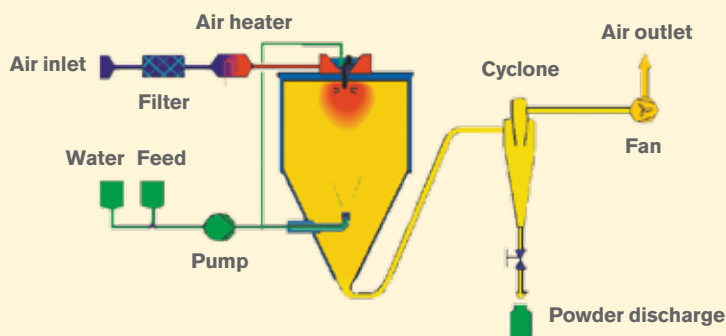
Product contact parts	AISI 316
External surfaces	AISI 304

Dimensions:

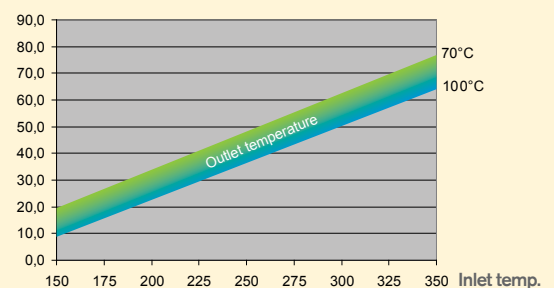
Floor space	4150 × 4300 mm
Height	5200 mm
Total free height	6000 mm
Shipping volume	48 m ³
Weight, Gross	3400 kg
Weight, Net	2500 kg

Complies with regulations and standards according to CE and ATEX.

Process flow



Water evaporation



SPX Flow Technology Danmark A/S
 7 Oestmarken
 DK-2860 Soeborg
 Denmark
 Phone +45 7027 8222 Fax: +45 7027 8223
www.spxft.com

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