



MicraSpray 750 Multi-stage

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
- Integrated Fluid Bed with separate air supply system and fines return system under cyclone
- Cyclone
- Fans 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
- Rotary valve
- Bag filter
- Air Broom
- Wall sweep system
- External Fluid Bed
- Wet scrubber
- Integrated Cleaning System
- CIP System



The Anhydro Small Scale Plant, Type MicroSpray 750 Multi-stage 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 Multi-stage performs fully up-scalable 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 dairy sector use this dryer as a

Technical data

Process Design Data:

Max. Inlet air temp.	350°C
Max. Water Evaporation (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
Rotary valve	0.25 KW
Suction fan	6.5 KW
Main Air Heater	70 KW
IFB Air Heater	5 KW
IFB fan	1.0 KW
Pressure fan	4.0 KW
Fines return blower	1.75 KW
Feed pump	0.5 KW

Consumption:

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

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:

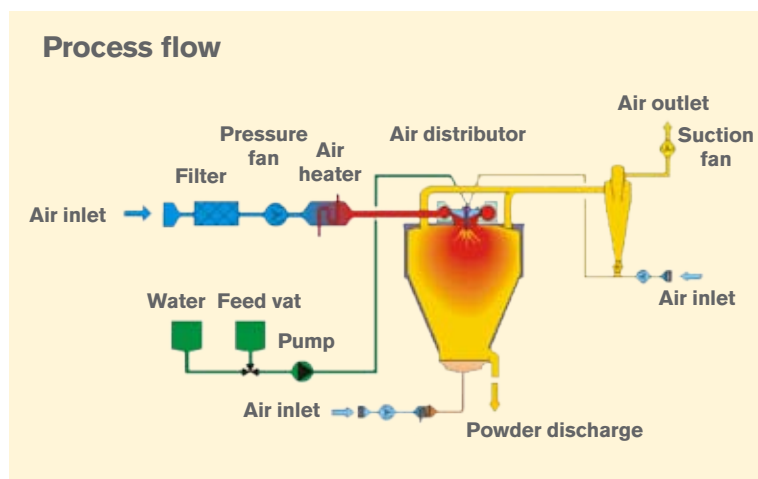
Product contact parts	AISI 316
External surfaces	AISI 304

Dimensions:

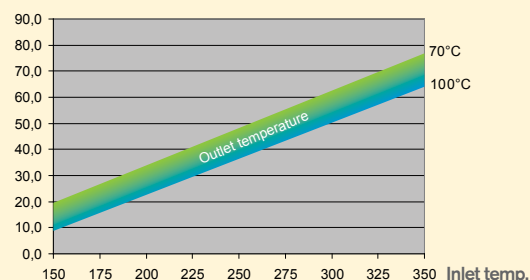
Floor space	3800 × 4800 mm
Height	5800 mm
Total free height	6800 mm

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

For more information about our worldwide locations, approvals, certifications, and local representatives, please visit www.spxft.com. SPX Corporation 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.

Issued: October/2010

Copyright © 2010 SPX Corporation