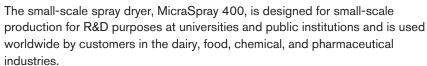
>Anhydro[®]

MICRASPRAY 400

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 customize each plant to match their exact requirements.

Basic Plant Equipment

- Feedtank
- Watertank
- Peristaltic feed pump
- Feedpipe
- 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 and data logging facility
- Butterfly valve
- Support structure

Options

- Progressive cavity feed pump
- Centrifugal atomizer with optional ATEX version
- Two-fluid nozzle atomizer, counter-current
- Fine filters, HEPA filters, Duplex filter in feed line
- Dehumidifier
- Pneumatic hammers
- Rotary valve
- Bag filter with optional CIP version
- Additional powder container
- Wet scrubber
- Vent duct
- Indoor explosion venting system
- Outdoor explosion venting system
- Explosion suppression system
- Manual cleaning equipment (CIP lances)
- Manual or automatic CIP system
- CIP Kitchen
- Noise attenuation
- GMP/Qualification documentation (IQ, OQ)

Other configurations

- Closed circuit
- Multistage

For specific requirements, please contact SPX FLOW

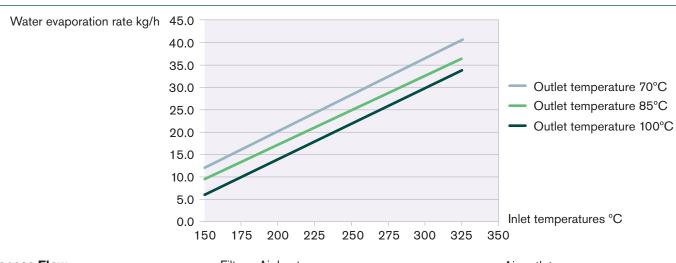


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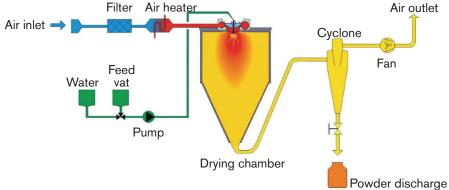
ANHYDRO MICRASPRAY 400	
Max. inlet air temperature	325°C
Max. water evaporation (outlet temp. 70°C)	Approx. 37 kg/h
Max. drying air rate	400 kg/h
Drying chamber diameter	1,150 mm
Power supply, standard, at 50 Hz	3x400 V
Suction fan	2.7 kW
Main air heater	35 kW
Feed pump	0.25 kW
Compressed air consumption at 1.5 to 5.6 bar (G)	50-250 NL/min

ANHYDRO MICRASPRAY 400	
Pressure shock resistance	1 bar
Max. Kst. value (with rupture disc)	299 bar*m*S-1bar m/s
Noise emission	85 dB (A)
Product contacting parts	AISI 316L
Non-product contacting surfaces	AISI 304
Floor space L x W	4.0*2.5 m
Height	3.3 m
Recommended free height	4.2 m
Weight, net approx.	1,100 kg

The MicraSpray 400 plant design complies with CE, ATEX and GMP guidelines for food contact material.



Process Flow



SPXFLOW

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.