

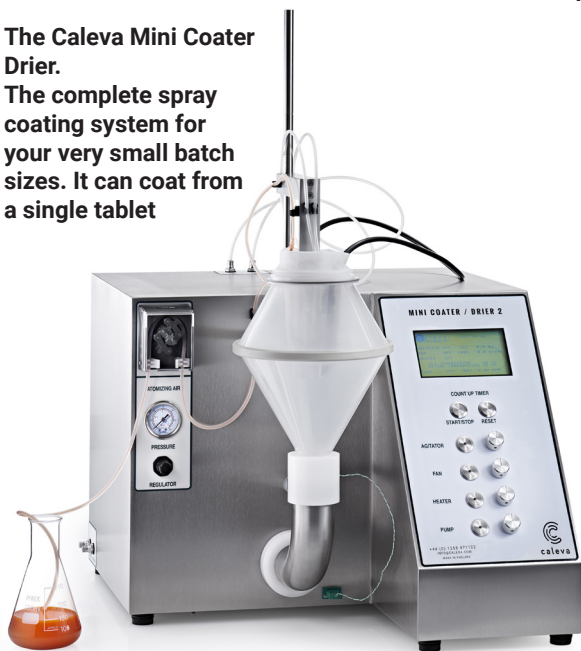
CALEVA MINI COATER / DRIER -2



BENCH-TOP SPRAY COATER / FLUID BED DRIER SYSTEM

THE CALEVA LABORATORY MINI COATER / DRIER

The Caleva Mini Coater Drier.
The complete spray coating system for your very small batch sizes. It can coat from a single tablet



Primary function A small-scale film spray coater and fluid bed dryer designed for very small quantities of tablets and particles

Target products From 1 to about 150 tablets or capsules
- (0.5 mm to about 10mm diameter)
From 1 to about 20 grams of pellets
- (from 500 microns diameter)

Use suitability Early R&D and University teaching

Typical coating time 15 to 30 minutes

Mechanical information

Size 500 mm w x 550 mm d x 380 mm h
(plus 240 mm for the spray head stand)
Weight Approximately 32Kg
Cabinet Brushed type 304 stainless steel
Product Contact 316 stainless steel,
FDA food approved plastics

Operational data

Spray temperature Ambient to 60 deg C (user controlled)
Air flow velocity Maximum 16 m second
Spray chamber oscillation 10 to 25 Hz. 3 mm amplitude
Peristaltic pump Spray rate from 5 to 50 ml per hour

Utility requirements

Electricity supply 110 or 220 Volts 1 Phase, 50 or 60 Hertz
Compressed air 2.5 bar required through a 4 mm external diameter supply pipe.
Air flow required = 60 l/min at 2 bar.

Control panel

Manual timer showing elapsed spray time
Agitator control On/off, adjustment and display
Fan control On/off, adjustment and display
Heater control On/off, adjustment and display
Pump control On/off, adjustment and display
Atomizing air flow 0 to 2 bar (user controlled)

Anti-static unit Incorporated as standard



Spray head detail with attached air and product delivery pipes

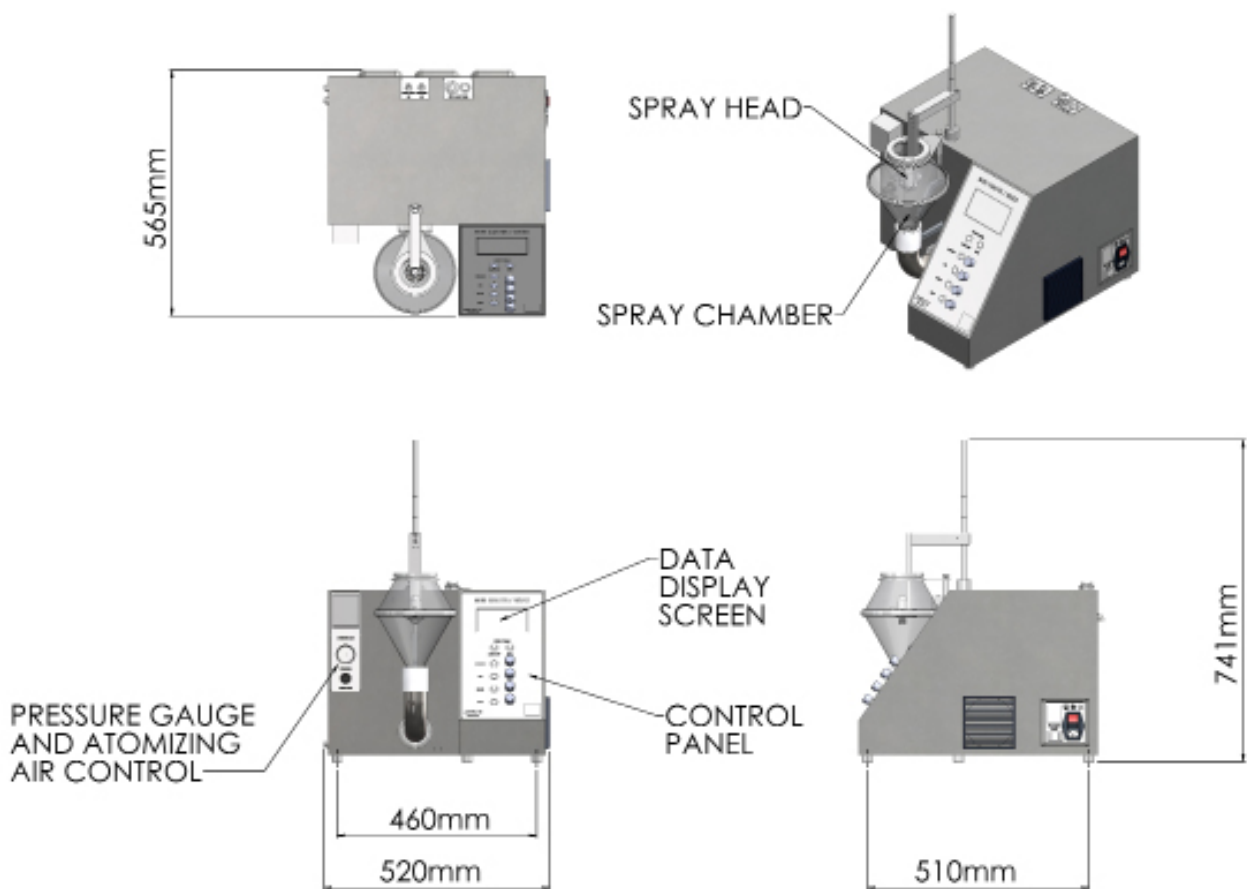
A small batch of nine tablets being taken from the spray cone after successful coating



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General arrangement diagram
Weight approximately 32 kg



TALK TO US

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Certificate Number: 1503