

VARIABLE DENSITY LABORATORY EXTRUDER



TECHNICAL SPECIFICATIONS

VARIABLE DENSITY EXTRUSION AND SPHERONIZATION KIT

THE CALEVA VARIABLE DENSITY LABORATORY SCREW EXTRUDER



**Caleva laboratory Variable Density
Screw Extruder (Axial configuration)**

Output range

Batches of 200 g to 12 kg / hr
(Equivalent and not continuous operation)

Mechanical information

Size

Approximately 730w x 375h x 580d mm

Weight

Approximately 42 Kg

Cabinet

Brushed type 304 Stainless Steel

Product Contact

316 stainless steel
FDA food approved plastics

Extrusion screw

55 mm diameter

Screw speed

10 to 90 rpm (operator controlled)

Product feed

Manual with loading tray

Product output

Extrudate density can be modified using
additional optional dies with different hole
diameter to depth ratios

Standard screen

1 mm diameter : 1 mm deep

Configuration

Axial as standard (radial as an option)

Electrical information

Motor power

750 W AC motor

Electrical supply

110/120 or 220/240 Volts AC
Voltage to be selected at time of order

Controls

Integrated in cabinet

- Stop/start button
- Power on indicator
- Motor on indicator
- RPM indicator
- RPM adjustment

E stop

On top of cabinet

Other features

Axial die hole range

Hole diameter (Ø) from 0.5 to 8 mm
Hole depth from 0.5 to 36 mm

Not all combinations are possible

Fully safety interlocked

Safety

Water Jacket

On screw chamber as standard

CE marking

As standard



**Caleva laboratory Variable
Density Screw Extruder (Radial
configuration, safety cover removed)**



Axial configuration

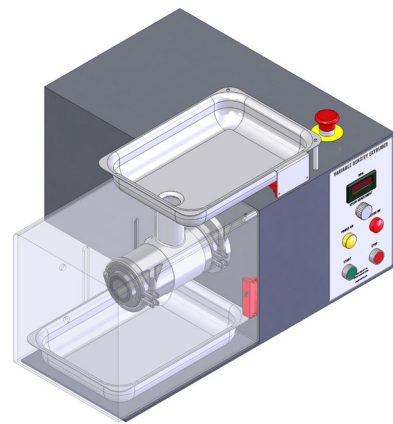
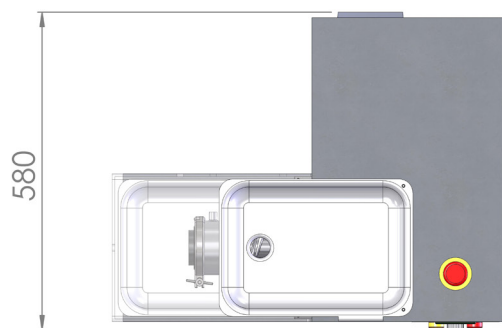


Radial configuration

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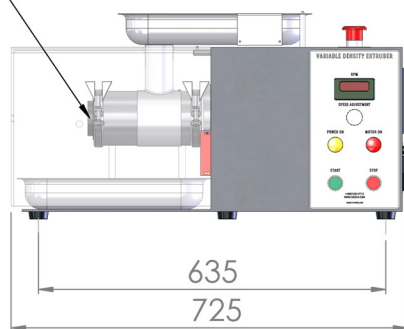
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EXTRUDER

General arrangement diagram
Weight approximately 42 kg

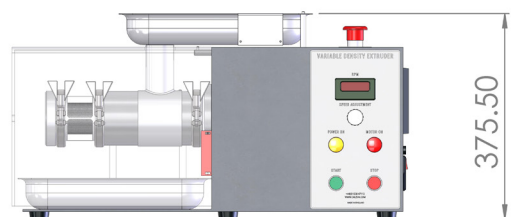


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DIE

Axial configuration



Radial configuration



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Certificate Number: 1503

MULTI BOWL SPHERONIZER 250/120



TECHNICAL SPECIFICATIONS

VARIABLE DENSITY EXTRUSION AND SPHERONIZATION KIT



Different size bowl options available
only with the Caleva MBS bench top
spheronizer

THE CALEVA MULTI BOWL SPHERONIZER 250/120

Batch size capacity guide

250 mm diameter bowl - 150 g to 1 kg
120 mm diameter bowl - 15 g to 150 g
85 mm diameter bowl - 5 g to 15 g
60 mm diameter bowl - from 1 g
About 10 kg per hour (largest bowl)

Nominal through-put

Mechanical information

Size Approximately 50w x 30h x 52d mm
Weight Approximately 45 Kg
Cabinet Brushed Type 304 Stainless Steel
Product Contact 316 stainless steel and polycarbonate
Standard disc One 3 mm x 3 mm cross hatch pattern
spheronizer disc supplied as standard.
Other disc patterns available as required
Product feed Manual through "easy load" funnel
Product discharge Manually operated discharge door

Electrical information

Motor power 220 W AC motor
Electrical supply 110/220VAC, 50-60 Hz, 1 phase
Voltage to be selected at time of order
Controls Mounted on base unit
E-stop Conveniently placed on base unit

Other features

Safety Fully safety interlocked
Water Jacket Fitted as standard
Automatic run timer Fitted as standard
Fines air control Fitted as standard

Options

Non stick coating For use with sticky products

Compliance

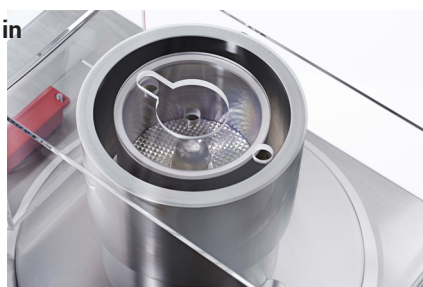
Fully GLP/GMP compliant with IQ/OQ
available
As standard

CE marking

Caleva MBS Spheronizer
with a 120 mm diameter
bowl attached



Caleva MBS with a 85
mm spheronizer bowl in
place

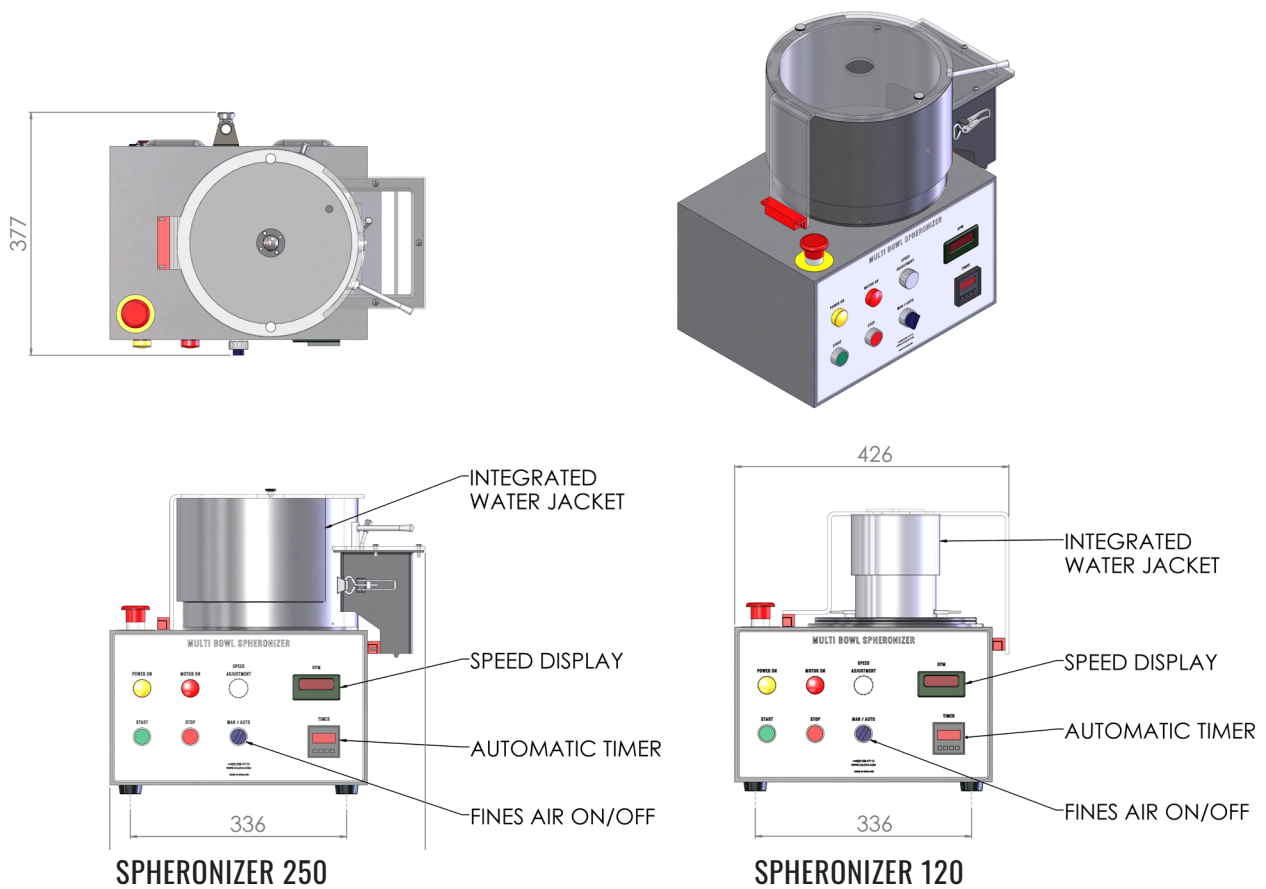


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VARIABLE DENSITY EXTRUSION AND SPHERONIZATION KIT MULTI BOWL BENCH-TOP SPHERONIZER

THE CALEVA MULTI BOWL SPHERONIZER 250/120

General arrangement diagram



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