

VARIABLE DENSITY LABORATORY EXTRUDER



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 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 550 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



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

Other features

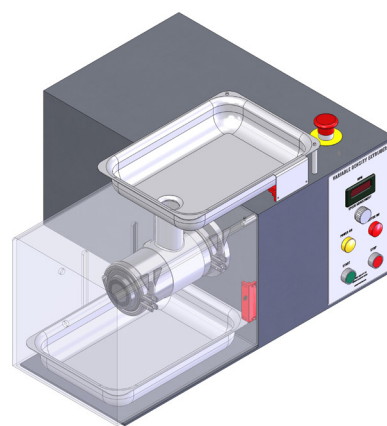
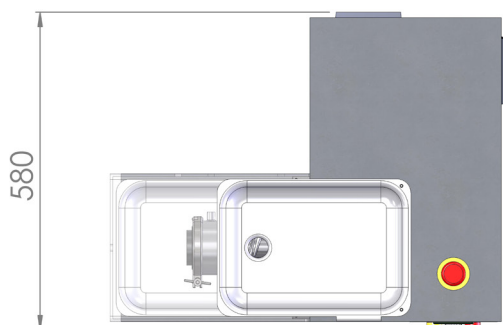
Axial die hole range Hole diameter (Ø) from 0.5 to 9 mm
 Hole depth from 0.5 to 36 mm
 Not all combinations are possible
Safety Fully safety interlocked
Water Jacket On screw chamber as standard
CE marking As standard
Datastor Automatic operational data collection
 available as an option



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VARIABLE DENSITY EXTRUSION AND SPHERONIZATION KIT

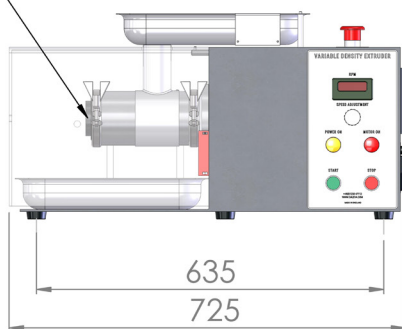
CALEVA
**VARIABLE DENSITY LABORATORY
 EXTRUDER**

General arrangement diagram
 Weight approximately 42 kg

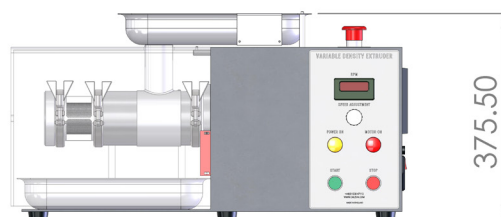


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Axial configuration



Radial configuration



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+44 (0) 1258 471122

info@caleva.com



Cert No. 1503
 ISO 9001

Ver 71011

MULTI BOWL SPHERONIZER 250/120



VARIABLE DENSITY EXTRUSION AND SPHERONIZATION KIT



THE CALEVA MULTI BOWL SPHERONIZER 250/120

Batch size capacity guide
 250 mm diameter bowl - 150 g to 1.5 kg
 120 mm diameter bowl - 15g to 150 g
 85 mm diameter bowl - 5 g to 15 g
 60 mm diameter bowl - from 1g
 Nominal through-put
 About 10 kg per hour (largest bowl)

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
Disc pattern 3x3 mm cross hatch (options available)
Safety Fully safety interlocked
Discharge Manually operated discharge door
Water Jacket Fitted as standard
Automatic run timer Fitted as standard
Fines air control Fitted as standard

Options
Datastor Collect operational data to a lap top PC
Non stick coating For use with sticky products

Compliance Fully GLP/GMP compliant with IQ/OQ available
CE marking As standard

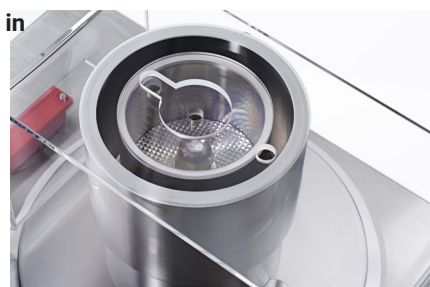


Different size bowl options available only with the Caleva MBS bench top spheronizer

Caleva MBS Spheronizer with a 120 mm diameter bowl attached



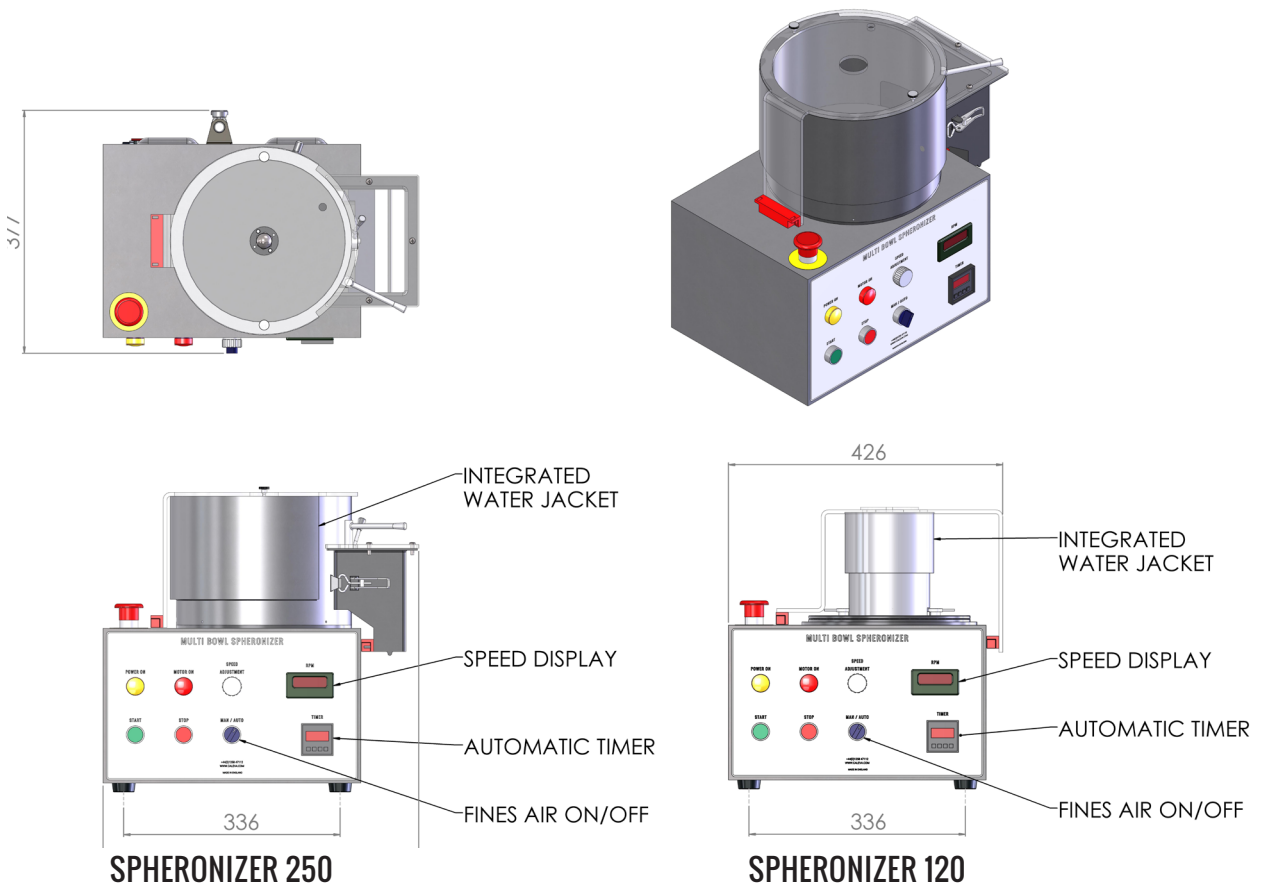
Caleva MBS with a 85 mm spheronizer bowl in place



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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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