

VARIABLE DENSITY TWIN SCREW EXTRUDER



TECHNICAL SPECIFICATIONS

A COMPONENT OF THE CALEVA 100 KG
PER HOUR SPHERONIZATION SYSTEM

THE CALEVA PRODUCTION AND PILOT SCALE EXTRUDER VD-TSE70



Caleva production Variable Density
Twin Screw Extruder

Output range	50 to 200 kg / hr
Mechanical information	
Size	Approximately 865w x 1636h x 1445d mm
Weight	Approximately 400 Kg
Cabinet	Brushed type 304 stainless steel
Extrusion bore	70 mm diameter
Product contact	316 stainless steel FDA food approved plastics
Screw speed	30 to 100 RPM
Operating torque	Nominal 427 Nm
Product feed	Manual with 25 l capacity loading tray
Product output	Extrudate density can be modified using additional dies
Discharge height	540 mm
Electrical information	
Motor power	4.8 kW AC motor
Electrical supply	400VAC 50Hz or 460VAC 60 Hz 3 phase 20 A
Controls	Mounted on swivel pendant
Information panel	- Product temperature (°C) - Rotational speed (RPM) - Motor load (%)
Other features	
Die configurations	Axial and "Caleva Cone" configurations Caleva Cone = an advanced die design giving increased output and improved die durability
Die hole range	Ø 0.5 to 8.0 mm 1:1 to 4:1 diameter:length (axial configuration) Ø 0.5 to 1.0 mm (Caleva Cone configuration)
Safety	Fully safety interlocked
Water jacket	On screw chamber
CE marking	As standard

Axial configuration with 1 mm die holes



Axial configuration with 8 mm die holes



"Caleva Cone" configuration with 1 mm die holes



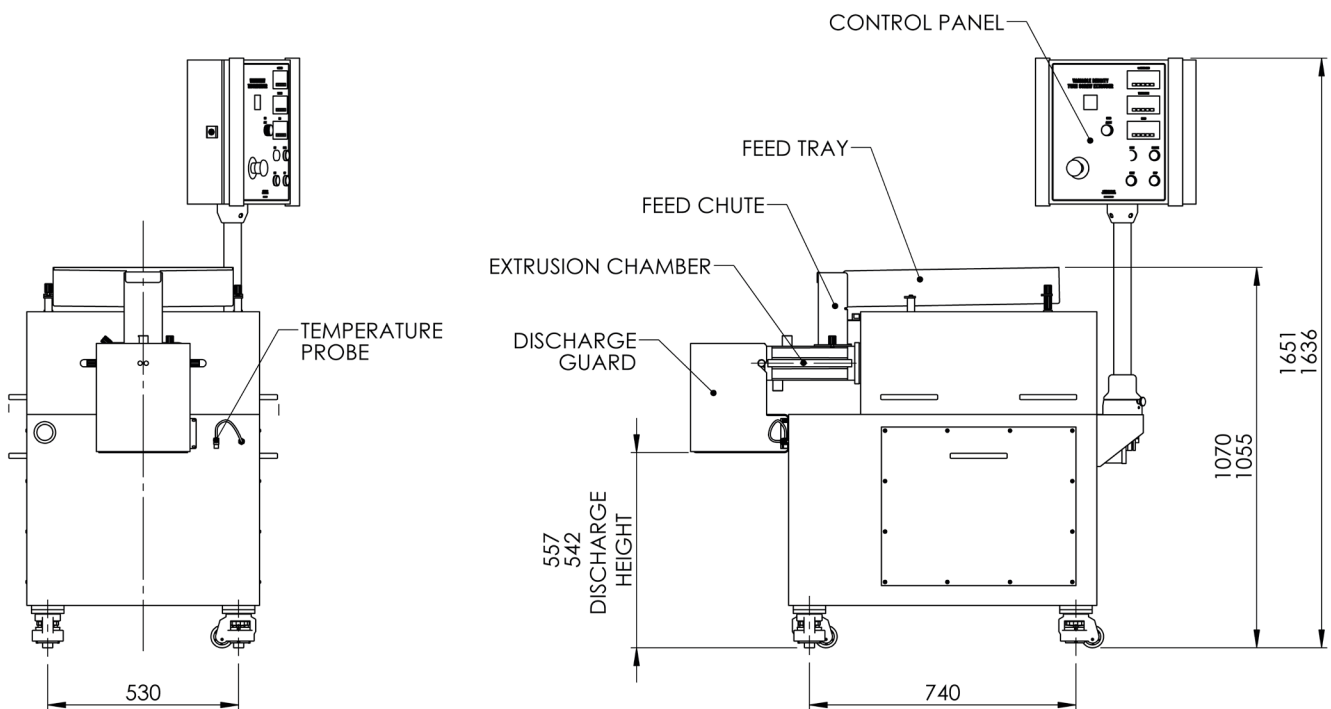
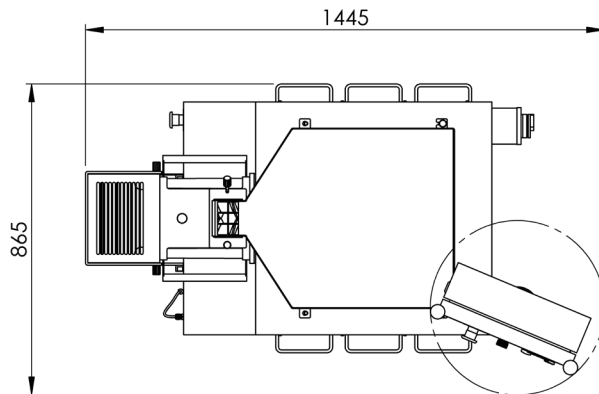
CALEVA

100 KG PER HOUR EXTRUDER AND SPHERONIZER PRODUCTIONS SYSTEM EXTRUDER VD-TSE70

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EXTRUDER VD-TSE70

General arrangement diagram
Weight approximately 400 kg



TALK TO US

Please call us without obligation

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Cert No. 1503
ISO 9001

Ver 90301

SPHERONIZER 500



TECHNICAL SPECIFICATIONS

A COMPONENT OF THE CALEVA 100 KG
PER HOUR SPHERONIZATION SYSTEM

THE CALEVA PRODUCTION AND PILOT SCALE SPHERONIZER 500



Caleva production
Spheronizer 500

Capacity guide

100 kg per hour

Batch sizes

2 kg to 8 kg

Mechanical information

Size

Approximately 1257w x 1275h x 660d mm

Weight

Approximately 320 Kg

Cabinet

Brushed Type 304 stainless steel

Product Contact

316 stainless steel and polycarbonate

Standard disc

One 3mm cross hatch pattern spheronizer disc supplied as standard with other disc patterns available

Product feed

Manual

Product discharge

Manual / Automatic (operator selectable)
"Air blast technology" to assist in the cleaning of the discharge door, particularly useful for continuous operation

Discharge height

857 mm

Electrical information

Motor power

4.0 kW AC motor

Electrical supply

380-460 VAC, 50-60 Hz, 3 ph, 5.5 A

Controls

Mounted on machine front panel

Information panel

- Rotational speed (RPM)
- Run time remaining (Seconds)

Other features

Disc pattern

3x3 mm cross hatch (options available)

Disc removal

Manual with provided tool

Safety

Fully safety interlocked

Discharge

Fully automatic pneumatic door

Water Jacket

As standard for heating or cooling product

Automatic timer

As standard and operator controlled

Air blast cleaner

As standard and unique to Caleva

CE marking

As standard with iQ/OQ available

Fines air

As standard to reduce dust losses

Discharge chute

Round design with angular discharge

"Clean without stopping"
spheronizer air blast system



Production
spheronizer
disc removal
system



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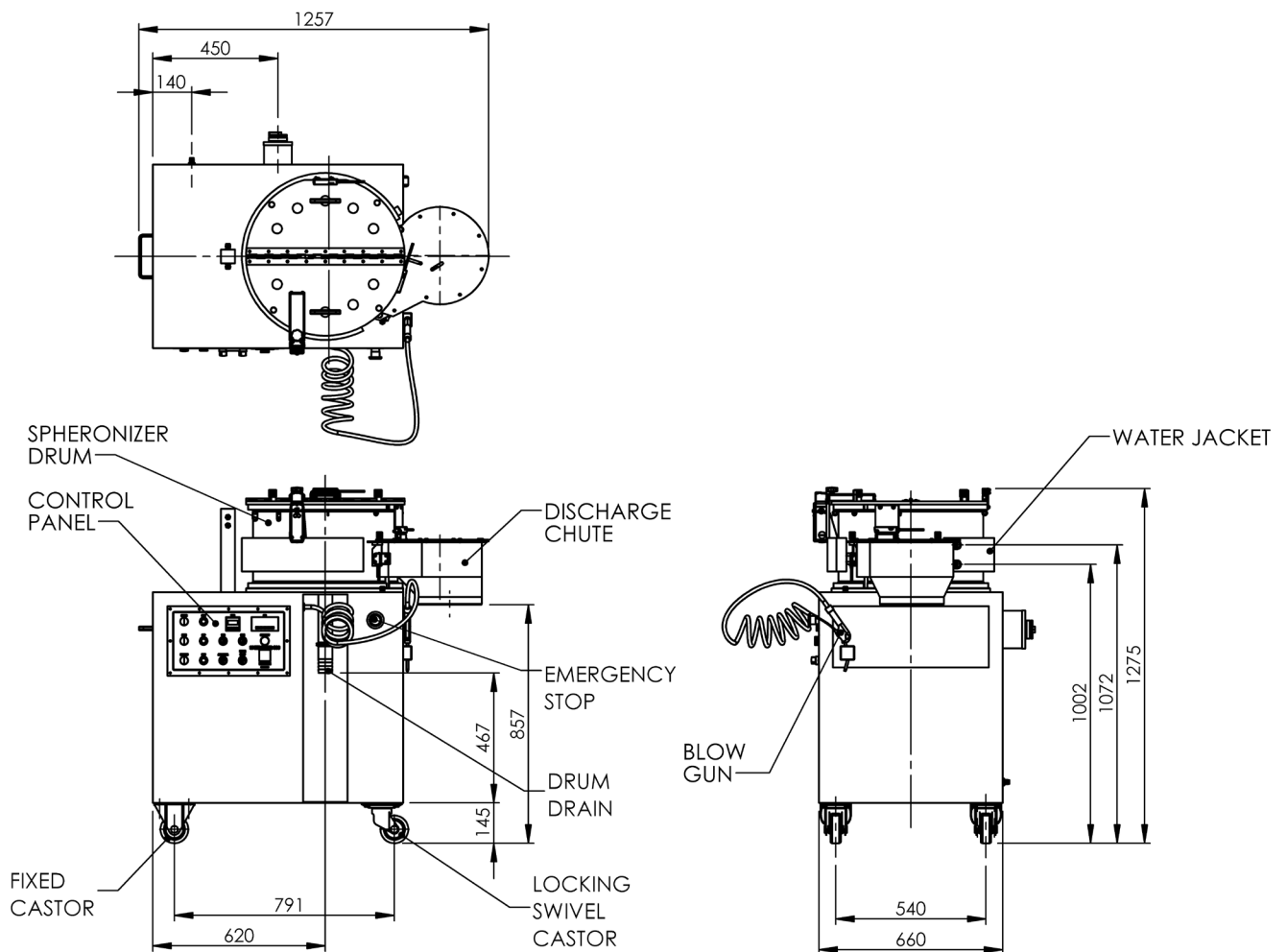
100 KG PER HOUR EXTRUDER AND SPHERONIZER PRODUCTION SYSTEM SPHERONIZER 500

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SPHERONIZER 500

General arrangement diagram

Weight approximately 320 kg



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