



caleva

PRODUCT INFORMATION SHEET

LABORATORY

CALEVA

VARIABLE DENSITY SPHERONIZATION KIT

Develop pellets or extrudate of different density according to your requirements

PRODUCT INFORMATION



Axial Configuration shown



VARIABLE DENSITY KIT

- ✓ Produce pellets of variable density for your development program
- ✓ Increase your chance of development success by widening your options

WHEN YOU ARE DEVELOPING PELLETS WOULD IT BE USEFUL TO YOU IF YOU COULD

- ☐ Modify the porosity of your pellets?
- ☐ Modify your pellet dissolution profiles?
- ☐ Make your pellets more uniform?
- ☐ Increase drug loading in your single dose unit?
- ☐ Use the optimum extrusion density for your formulation?

YOU MAY USE THE VARIABLE DENSITY KIT TO

- ☐ Expand the number of options you can examine during your formulation development process
- ☐ Generate a greater chance for your formulation to be successful
- ☐ Boost the active material content in your unit dose for clinical trial samples
- ☐ Give your customers confidence in your development program

HOW WILL BENEFIT?

- ✓ Batches 100 g to 1.5 kg
- ✓ Product Development
- ✓ Batches for clinical trials
- ✓ University Teaching

Radial Configuration



- ✓ Caleva offers different extruder and spheronizer kits
- ✓ The variable density kit is recommended for your formulation development when flexibility is important to you
- ✓ Explore more options
- ✓ Maximise your chances of success

CALEVA VARIABLE DENSITY EXTRUDER

- Produce extrudate of variable density
- Expand your R&D possibilities
- Increase your chance of development success with difficult formulations
- Axial and radial configuration available



Axial Configuration

CALEVA MBS 250 SPHERONIZER

- Your batches from the Variable Density Extruder can go directly into the Spheronizer 250
- With a batch size from 150 g to 1.5 kg the spheronizer MBS 250 will make it easy for you to work with the output from your Variable Density Extruder



Multi bowl options for all batch sizes

VARIABLE DENSITY EXTRUDER

- Interchangeable dies
- Drilled die holes
- Different die hole diameter and depth available
- Integrated water jacket

MULTI-BOWL SPHERONIZER

- Interchangeable bowls for future development
- Water jacketed bowls
- Automatic run timer
- Fines air connections

OPTIONAL DATA COLLECTION

- Collect and observe your operational parameters automatically as you work by recording power usage, rotational speed, and product temperature
- Keep the operational data you need

CONFIGURATION

- All product contact components are manufactured using 316 stainless steel or approved plastics
- You control all operating parameters
- Full documentation packages are available for you



**Would your different materials,
and your work, benefit from
different density extrudate?**



TALK TO US

Please call us without obligation

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Cert No. 1503
ISO 9001