



caleva

PRODUCT INFORMATION SHEET

LABORATORY

CALEVA

VARIABLE DENSITY EXTRUDER SPHERONIZATION KIT

Develop pellets from extrudate of different density according to your requirements

PRODUCT INFORMATION



Axial Configuration shown



VARIABLE DENSITY KIT

- ✓ Produce extrudate 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 extrudate?
- Modify the physical properties of your extrudate?
- Make your product more uniform?
- Increase drug loading in your single dose unit?
- Use the optimum extrusion density for your formulation?

(Trials have shown the effects of variable density extrusion to be highly variable, indicating the outcome cannot be predicted.)

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

YOU CAN USE THIS KIT FOR

- ✓ Batches 150 g to 1 kg
- ✓ Product Development of new formulations
- ✓ Batches for clinical trials
- ✓ University Teaching and Research

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 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

CONFIGURATION

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



Would your formulation development work, benefit from different density extrudate?



CONTACT US

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