



caleva

OPTIONS

LABORATORY

CALEVA

# MINI COATER/DRIER -2

Bench-top Spray coater / Fluid Bed Drier

## PRODUCT OPTIONS



## MINI COATER DRIER - 2 OPTIONS AND COMPANION EQUIPMENT

### OPTIONS:

When supplied, no additional options are required for proper operation of the Mini Coater Drier. Some standard laboratory equipment is recommended such as a stirring mixer and these are not supplied with the equipment. Some options are available to enhance the utility of the Mini Coater Drier.



### SPARE PARTS UTILITY PACK

A single pack containing all recommended options as shown below is available. Some components are considered consumable in normal operation. All these items can be priced separately if required. This spare parts pack is particularly recommended (but not essential) for purchases outside the EU and where rapid supply and restocking might be difficult.

## MINI COATER DRIER - 2 OPTIONS AND COMPANION EQUIPMENT



### Spare parts utility pack

- ☐ Teflon sealing rings for inside the spray nozzle. These can be damaged accidentally or lost as they are quite small and we would recommend that an additional 10 be purchased with the machine especially if this is to be used (and cleaned) by students or several different people.
- ☐ Replacement disc for base of the spray chamber. These items can be again, damaged or lost. We would recommend that an additional 50 be purchased with the machine.
- ☐ Silicon tube (0.8 mm internal diameter) for the peristaltic pump. We recommend that an additional 15 m is purchased
- ☐ Silicon tube (1.6 mm internal diameter) for the peristaltic pump. We recommend that an additional 15 m is purchased
- ☐ Replacement thermocouple (temperature sensor). Can be broken by careless use.
- ☐ Replacement lower cone including made to fit mesh retainer
- ☐ Drive collar for the base of the cone (temperature probe not included). This is taken off the machine to be washed and could be lost or damaged
- ☐ Replacement upper cone
- ☐ Replacement connecting ring for upper and lower cone

**All these items can be priced separately if required. Contact us for details**



## COMPANION EQUIPMENT

### ✓ THE CALEVA MULTI LAB

The Caleva Multi Lab (CML) incorporates a granulator, extruder and spheronizer within an “all-in-one” compact and robust unit. Not only can it save valuable laboratory bench space, but it has the capacity of demonstrating process efficiency by operating batch sizes up to 50g which is invaluable when working with rare materials often used in product development trials and is ideal for the MCD2. By offering all three application attachments as separate detachable options, it means that you will only have to expend valuable and scarce funding on the specific application you need today; with the knowledge that should your research terms change in the future, you are able to simply add another component, instead of another complete system.

- ✓ **The optimum batch size for use in the Mini Coater Drier is ideal for the optimum batch size for general use in the Caleva Multi Lab.**



## VALIDATION AND TRAINING

### **INSTALLATION AND TRAINING AT THE CUSTOMER SITE**

#### **Training within the UK.**

Including one day installation and training and two days travelling.

#### **Training in any other European country.**

Including one day installation and training and two days travelling. All travel and subsistence costs are included in the cost

#### **Training outside Europe.**

Including one day installation and training and up to four days travelling depending on the location.

Includes installation, commissioning and training at customer site of up to one day, but does not include IQ/OQ which is separately chargeable. The customer will assist with local transport for the Caleva technician if required. The customer will supply the consumable products required. Trained electricians will be provided by the customer if required (generally not required). Installation does not include any alteration to the customer site and does not include installation or connection of any electrical (or other) services.

The customer will be responsible for the unpacking and location of the machines at the use site. This is not included in any quotation or offer.

If more than one item is purchased then training can be done together for other equipment with considerable savings in cost. Contact us for details.

### **FACTORY ACCEPTANCE TEST AT THE CALEVA SITE**

We make our own quality check before the extruder is shipped (a copy is supplied to the customer) and thus a separate FAT is not normally necessary but can be completed with the customer if required. The customer will be responsible for all his or her expenses incurred in getting to and from the Caleva site.

### **CUSTOMER TRAINING AT THE CALEVA SITE (OVERSEAS CUSTOMERS)**

Training is recommended if extrusion and spheronization is a relatively new technique to the company or if new staff would benefit from it. Contact us for details.

## MINI COATER DRIER - 2 OPTIONS AND COMPANION EQUIPMENT

- Customers from outside the UK will be collected at any London main airport and transferred to suitable accommodation. All meals for one trainee whilst with Caleva as well as transport to and from the Caleva site are included. Any extras (such as phone calls etc.) at hotel are for guest's account. One night bed & breakfast in London hotel before return flight to home country can be included if requested. Up to two days training (as required) at the Caleva site on customer's own equipment prior to shipment.

Transport to and from the customer's own country to London main airport is not included and is for the customer's account.



- **If more than one item is purchased then training can be done together with considerable savings in cost. Contact us for details.**

## MINI COATER DRIER - 2 OPTIONS AND COMPANION EQUIPMENT



### VALIDATION AND IQ/OQ DOCUMENTATION PACKAGE

**Recommended if required for regulatory purposes.**

#### **At Caleva site**

The IQ/OQ package can be completed at the Caleva site by us in so far as this is possible. The customer can attend if he or she wished to do so at their own cost. An additional set of blank documents will be provided to allow the customer to re-do the IQ/OQ in their own facility.

#### **At customer site**

IQ/OQ and installation completed at the customer site at the same time as installation and training (training will be charged separately). This is an additional cost for the IQ/OQ in addition to the costs for installation and training.

**Note: there may be additional country-specific charges depending on location.**

**Contact us for details.**



### MATERIAL CERTIFICATES (INCLUDED IN IQ/OQ)

In line with current standards Caleva does not automatically supply copies of material certificates for product contact parts. Caleva can provide free of charge a certificate naming the product contact parts and confirming that we or our suppliers can provide full traceability to original certificates if this is requested. If certified copies of material certificates are required then these can be provided at an additional cost.



CALEVA

## MINI COATER DRIER - 2 OPTIONS AND COMPANION EQUIPMENT



### TALK TO US

Please call us without obligation

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Certificate Number: 1503