

# Caleva MD1000 Media Degasser and Heater

The new Caleva MD1000 1 Litre Degasser unit is the latest design in fast, efficient and practical benchtop degassing for dissolution.

## Don't want a trolley taking up valuable space?

Its slimline design was created to sit between your dissolution units in both large and small laboratories where bench space is an issue and trolley units are inconvenient.

## Need fast reliable and convenient degassing?

- No need for heating large tanks of media which can take up to 45 minutes.
- Heating and Degassing time for 1 litre: 2 minutes from cold media source.

## Regular Media changes required?

- No problem just perform a flush routine and switch our inlet tube to your new media source in just a couple of minutes. (No need to warm a further tank of media taking a further 45 minutes)

## The unit has the following features:

- Heating as standard.
- Degassing by vacuum better than 5.5ppm.
- 250 - 1000 mls of media (better than  $\pm 1\%$ ) in steps of 50ml.
- Gravimetric dispensing using the new load cell.
- Filling of multiple vessels per test run.
- Printer option for calibration and test protocols.
- Menu driven calibration routines for OQ/PQ and Load Cell Calibration.

## About the Instrument

The MD1000 has been designed to prepare media for dissolution testing removing dissolved oxygen to less than 5.5ppm and heating the media for your convenience up to the best temperature for your laboratory conditions. The unit is designed to be used with vessels for any make of dissolution bath.

The vessels are simply placed inside the vessel holder and the media is dispensed directly into the vessel. Volumes between 250ml to 1000ml can be chosen in steps of 50ml.

The unit has easy to use menus designed to guide you through every process from performing a test to calibrating and flushing. A simple keypad has been used along with our clear white on blue display.

Heating is supplied by flow through heater which can heat the media from 20 to 40 degrees with an accuracy of  $\pm 2^\circ\text{C}$ . The dispense temperature can be adjusted as required for your laboratory. The heater and degas functions can also be switched off for tests that do not require them.

The media is dispensed by weight using the internal load cell and the dispense accuracy is better than  $\pm 1\%$ .

With the MD1000 you do not need to wait for large quantities of media to heat up and each vessel of 1000ml takes in total approx 2 minutes. In busy labs where different medias are often used, the MD1000 is the ideal dissolution media preparation tool allowing you to switch media types with a single flush routine.



<b>FUNCTION</b>	
Vessel Heating and Dispense cycle at 1000ml:	2 minutes
Control:	Caleva Custom Keypad
Degassing Type:	Under Vacuum 900mb min.
Dispense Accuracy:	$\pm 1\%$
Dissolved oxygen level at dispense:	< 5.5ppm
Hard Degas Time:	20 secs standard (can be increased as required)
<b>FUSES</b>	
Safety Fuse:	230v/50Hz 2 x 10A, 1 x 2A 115v/60Hz 2 x 16A, 1 x 2A
<b>TEMPERATURE</b>	
Temperature Control:	PT100 Sensor (acc. to Din Kl. B)
Heater:	Internal flow through heater
Temperature Range:	Single set temperature from 20 to 40°C $\pm 2^\circ\text{C}$
Height/Width/Depth: (mm)	625 / 232 / 575
Weight: (kg.) Gross Packed	48kg. (inc. all packaging)
Weight: (kg.) Net	25kg. (plus case 3.5kg.)
Power Supply:	230v/50Hz/60Hz 115v/60Hz Additional voltages on request
IP Rating: (Acc. EN60529)	IP32

*SPECIFICATION SUBJECT TO CHANGE.*

