

Inspissator

The MB-VFIN Inspissator is of particular value in the control of tuberculosis when used to produce large batches of uniform culture medium four to six times a day.

The Grant Inspissator was developed in conjunction with Professor Mitchison of the Royal Postgraduate Medical School of London University, and is used in a number of tuberculosis laboratories which are assisted by the World Health Organisation.



Vessels containing culture medium are placed in a shallow tray which itself rests inside a tank containing water. The whole undersurface of the tray is in contact with water at a constant temperature which ensures that the temperature of the vessels is also constant. The surface of the tray is a series of sloping steps, and will hold 156 test tubes (16mm diameter x 150mm long) or 162 universal containers (25gm). A blanket is placed over the containers to exclude draughts and a quilted cover provides thermal insulation: both blanket and quilt are made from insect-resistant materials. Inspissation takes 50 minutes at 85°C and a rapid turnover time is ensured by the ease with which tubes or bottles can be set out and collected from the tray.

The temperature of the water under the tray is controlled by a digital immersion thermostat. Accuracy and reproducibility of set temperature are ensured with the digital display of actual and, at the touch of a button, set temperature. The control unit is mounted on a bridge plate over one end of the bath, from which heater, stirrer and temperature sensors project down into the bath.

All moving parts are incorporated in the control unit which is easily removed for servicing. The tray and tank are made of polished stainless steel and are fitted in an outer case of laminated wood. A constant level device is fitted to maintain the water level despite evaporation losses.



Specification

Standard temperature:	°C	85
Operating temperature range:	°C	Ambient +5 to 90
Temperature display:		LED
Display resolution:	°C	0.1
Uniformity: tray surface	°C	±0.7
Heater power	230V	kW 1.4
Tank capacity (nominal):	L	45
Heat up rate:	20 to 85°C	hrs 3.5
Working area:	l/w	mm 820/594
Overall dimensions:	l/w/h	mm 1040/600/380
Overtemperature protection		Fixed cut-out
Electrical power 220-240V 50/60 Hz		kW 1.5

Grant

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Equipment safety

The Inspissator meets the requirements of IEC61010.

CE mark

The Inspissator bears a CE mark to indicate that it meets the requirements of the Low Voltage and EMC Directives.

After sales service

In the United Kingdom, repairs are normally carried out within two to five working days of arrival at our factory, or receipt of authorisation to repair. Alternatively, spare parts and service manuals can normally be despatched within two working days. Most distributors of Grant equipment outside the UK hold stocks of spare parts, have their own service engineers and operate a similarly prompt repair service.

Three year guarantee

Grant equipment is robust and reliable, designed and built to provide years of trouble-free service. The Grant Inspissator is guaranteed for three years against faulty materials and workmanship.

As Grant Instruments is committed to a continuous programme of improvement, specifications may be changed without notice.