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Media Preparation Masterclave 60



60 litre capacity

Accepts up to 40 customised programmes

**Sterilisation temperature
95-125°C**

**Dispensing temperature
25-79°C**

**Cost-effective when
compared to smaller
preparators**

Simple and easy to operate and with the facility to link to plate pouring devices or gravimetric diluters, this unit offers the flexibility required for hands-free preparation of a wide range of agars and fluid media.

System Features



When used to prepare agar, the Masterclave 60 can make enough to pour 3500 plates of 17ml volume.

Dispensing diluent at a warm holding temperature can aid organism recovery compared with cold diluent

Optional rapid connecting kit to link to cold water system for rapid cooling of media is available



Masterclave 60 can prepare 10 to 60 litres of media within a 90 minute sterilisation cycle. Preparing a large quantity of media at any one time cuts down on the amount of internal quality control necessary: one batch = one set of controls.

The unit can also be used to prepare broth used to carry out sample dilutions. At full capacity, this equates to approximately 650 dilutions of 90ml volume or 260 dilutions of 225ml volume. Linking the Masterclave 60 to a gravimetric diluter such as the Dilumat 3, Dilumat 4 or Dilumat 4 x 4 turbo will aid the sample throughput of the laboratory greatly.

Your laboratory staff will appreciate the easy closing and opening lid along with the ease of cleaning of the unit without having to remove the inner vessel. Transport wheels with brakes are fitted to allow the Masterclave 60 to be easily moved around the preparation area.

Media prepared in the Masterclave 60 is of exceptional quality. The accuracy of heating is to $\pm 1^{\circ}\text{C}$ controlled by a microprocessor which means there is no danger of the medium overheating. Homogeneity is assured by the magnetic stirrer in the base of the inner vessel, which constantly agitates the media throughout the cycle.

All the functions carried out by the Masterclave 60 are fully traceable. The integral ticket printer prints out the operator name, the programme number, the date, the time and the graphical trace of the cycle. A PC can be linked to the unit to enable fast storage of this information.

A port is included on the machine to allow the installation of a temperature probe for remote temperature monitoring.

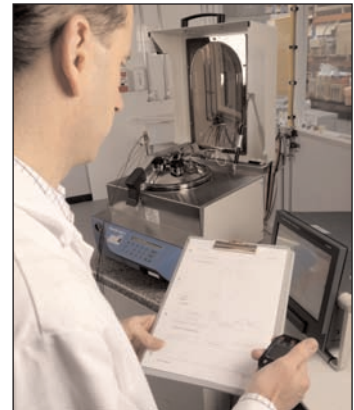
Safety

Masterclave 60 has a microprocessor-controlled safeguard. All pressurised components are compliant to legal safety requirements and, overall, the unit is compliant to: 97/23/CEE – 89/336/CEE – 73/23/CEE. The safety cover locks above 80°C and both the lid and the safety cover closing are electronically controlled. Masterclave 60 is both CE and ASME compliant.

UKAS

Don Whitley Scientific Limited offers a full range of calibration validation services for autoclaves and media preparators.

Masterclave 60 can also be used as an autoclave to sterilise instruments and waste material. Additional sterilisation baskets are available for this task.



Standard Features

Easy opening and easy closing lid
Inner vessel has no dead volume and drains all contents
Easy cleaning without removing the inner vessel
Stainless steel safety cover with window
Transport wheels with brakes
Optional rapid connection kit (water cooling)
Guaranteed sterility

Options

M10432 Security cover for dispensing
M10433 Basket support for autoclaving
M10434 Basket for autoclaving
M10361 Calibrated dipstick
M10239 Quick release connector (x 2)

Accessories

M10431 Decompression filters 0.22µm (pack of 5)
M10080 Chart recorder paper
M10349 Stainless steel take off port nozzle

Specification

Order Code: M00060
Instrument Size (mm): 1030 x 700 x 1250 (w x d x h)
Instrument Weight: 170kg
Packaged Size (mm): 1200 x 900 x 1350 (w x d x h)
Packaged Weight: 300kg
Power supply – 415V, 32A, 3-phase, neutral & earth
Speed: prepares 60 litres of media within 90 minutes
Prepares 10 to 60 litres of media
Microprocessor-based regulation, accuracy $\pm 1^{\circ}\text{C}$
Constant medium stirring: 40rpm
Sterilisation temperature – 95 to 125°C
Dispensing temperature – 25 to 79°C

In the interests of a policy of continuous product improvement the company reserves the right to alter product specifications without prior notice. All rights reserved.
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