

Microclave[®]™ Microwave Autoclave

Design Features

- Innovative
- Compact
- Easy to Operate
- Patented Technology
- Temperature Sterilisation
- Liquid Media Sterilisation
- Data Stored on Micro SD Card
- Heating Time 1.5—4.5 minutes
- Sterilisation Time 60-80 seconds
- Total Process Time 7-18 minutes
- Working Range from 100ml to 500ml

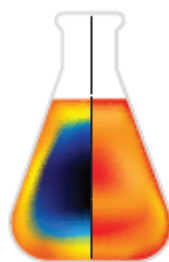


Specifications	
Model	Microclave
Autoclave Weight	15kg
Power Supply	230v /50Hz
Maximum Power Consumption	8A
Operating Pressure	3.6 bar
Max. Pressure	5 Bar
Overall Dimensions	280Ø x 427h (mm)
Chamber Dimensions	350 Ø x 460d
Chamber Capacity	2 L
EM Wave frequency	2450 MHz
Protection	IP 20
Data Logging	Micro SD card
500ml Media Bottles	1

Process Parameters	
Model	Microclave
Sterilisation Temperature	135°C
Set Point Duration	80 Seconds
Heating Time	1.5 - 4.5 Mins
Cooling Time	4 - 8 Mins
Total Cycle Time	7- 12.5 Mins
Temperature after Process	95°C

A Revolution in the Sterilisation of Liquid Media

In the MICROCLAVE autoclave, the thermal energy required for sterilisation is supplied directly to the medium. Microwaves are used as the energy source, so that



TRADITIONAL
STERILIZATION

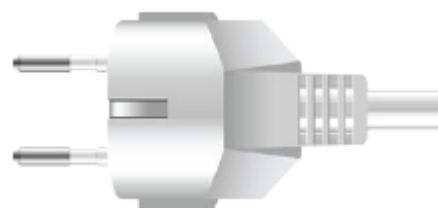
MICROWAVE
STERILIZATION

12 min TOTAL TIME
OF STERILIZATION

heating of the medium is immediate and uniform. In comparison with the traditional steam autoclave, sterilisation takes 5 times less time, while the exposure to high temperatures is very short (60-90 seconds). This minimises the decomposition of microbiological medium.

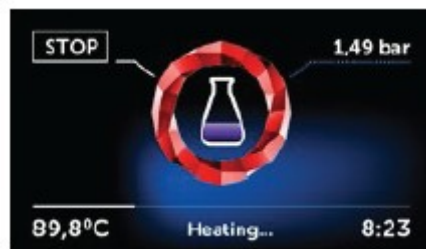
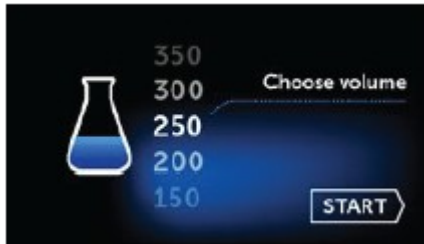
Plug 'n' Play

Operation of the MICROCLAVE autoclave is intuitive and does not require additional training. All you need is a standard 13amp electrical socket. Just plug it in and start using it. As simple as that.



Touchscreen

All functions are operated from the touch screen; the touch screen displays also progress of the sterilisation process.



Standard Vessels

Liquid media such as microbiological media, buffer solutions, carbohydrate solutions or water can be sterilised in standard laboratory vessels of 100 to 500ml capacity and temperature resistant up to 135°C (glass or plastic – PMP, PP, PTFE, FEP).



Express Process



Ease of use and very short sterilisation times make the preparation of sterile liquid media as simple as making a cup of tea.

Quality Guarantee

MICROCLAVE autoclaves have a standard 24-month warranty.



Data Logging

Each sterilisation operation is automatically stored on a memory card. As the data is stored in a format compatible with GLP it can be copied to any PC and read using the inclusive Data Viewer software.