

LABORATORY



# VERTICAL TOP LOADING AUTOCLAVE

MODEL : MO-GR Series

## Moonmed Model MO-GR series of Vertical Autoclaves

**Model Sizes:**

Three standard model sizes 60L, 85L, 110L (We can custom make any missing sizes on demand)

**MODEL:MO-GR-60/85/110**



**Model Code Combinations:**

GR-DA = Fully Automatic

GR-DF= Fully automatic+ automatic water feeding+ fast cooling fan

GR-DR= Fully automatic+ automatic water feeding+ fast cooling fan+drying function

MoonMed Vertical Autoclaves are trusted by the most technology advanced leading biotechnology, pharmaceutical, academic, Food, Medical, Industrial and clinical laboratories. Our solutions deliver the performance, quality and reliability required by researchers and clinicians all over the world.



## FEATURES

**EXTRA WIDE STERILIZATION CHAMBER.** The diameter of the chamber is 40cm wide. This allows for much more efficiency and bigger loads which means less load cycles for the day and a saving on power and water.

**Microprocessor Control System.** Very fast speed control system with maintenance warnings, Calibration options and recording functions.

**Waste Sterilization.** Special cycle for effective sterilization of Lab waste

**Drying.** Very efficient thorough drying system according to CE standards.

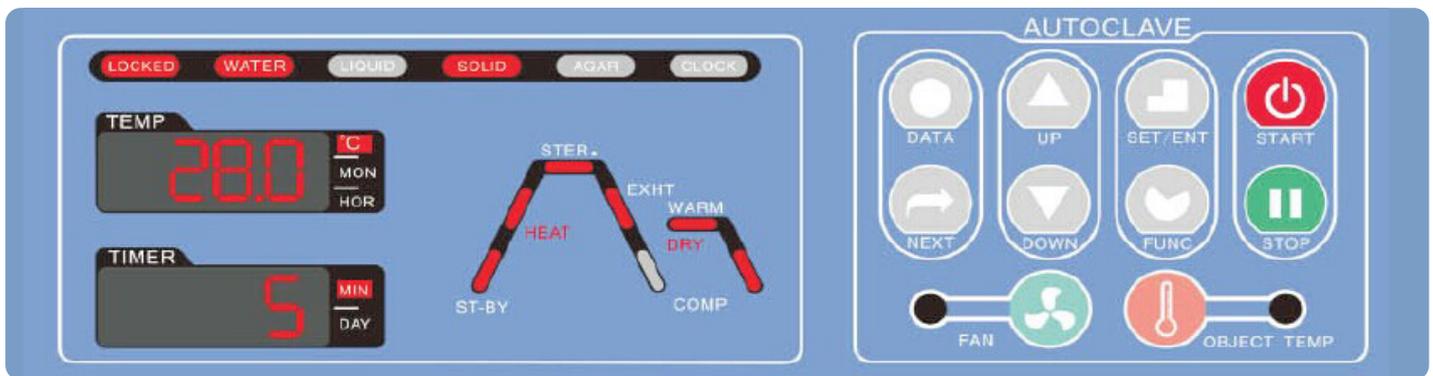
**Cooling Lock Open Temperatures.** It is possible that for each procedure you can set a different cooling lock opening temperature according to the inertia of the object. This can prevent the operator from being unnecessarily scalded or burnt

**Sterilization Temperature.** The autoclave can operate from a low temperature of 105°C to 138°C

**Control Panel** The control panel is installed on the top of the cover. This makes it easy to see and easy to select or change cycles. There is a four digit temperature display that conforms to the latest national and industrial standards. The visual flow chart clearly displays the autoclaves cycle including the present sterilization mode, present actual live working mode, completed sterilization steps and still to do cycle steps. The "Data" key can simply be pressed at any time to give the specific parameters live in real time.

**Preset Programs.** There are six sterilization cycles for the sterilization. They include warming and drying of solids and liquids and the melting and warming of agars.

**Safety comes first.** The autoclave has a unique mechanical eight column interlocking device that is safer and more reliable than other competitor's interlocking systems. The electrical double inner locks enable the control system to monitor the temperature and pressure inside the chamber on a real time basis. Due to this the door cannot be opened until a safe temperature and pressure is reached hence guaranteeing the personal safety of the operator.



### Optional Extras:



Printer



Temperature Load sensor/thermometer



Solid Stainless Steel Waste Drum



Stainless Steel basket



Sterilizing Drum



## Technical Data

MODEL	MO-GR60DR MO-GR60DF MO-GR60DA	MO-85DR MO-85DF MO-85DA	MO-110DR MO-110DR MO-110DR
Capacity	60L	85L	110L
Dimensions(LxWxH)mm	660x644x980	660x644x980	660x644x1180
Chamber Dimensions (Φ×L)mm	400 x 505	400 x 700	400 x 895
Power in watts (W)	2900	4600	4600
Rated power supply	220V 50/60Hz		
working environment	5-40°C , relative humidity 10%to85%		
Chamber material	SUS304		
Sterilization temperature	105-138 °C		
Preset Range of sterilization time	1-300 min		
Preset range of Melting temperature	60-100 °C		
Preset range of melting time	1-300 min		
Preset range of Warming temperature	45-60 °C		
Preset range of warming time	1-9999minutes		
Preset range of drying time	1 to 300minutes(only for DR series)		
Preset range of cooling lock open temperature	40to99 °C for solid and agar modes and 40-80 °C for liquid and waste modes		
Preset range of Exhausting temperature	73-104 °C		
Exhausting mode	Fully automatic internal discharging embedded with a steam trapping bottle		
Range of timer	0 minute-6 days delayed		
Range of pressure gauge	0-0.6Mpa		
Rated working pressure	0.27Mpa		
Controller	"inspiration" fast-speed microcomputer intelligent control system		
Safety device	"eight-column evenly distributed" interlocking device, electric double inner locks, dry scorch protection, overpressure protection, safety valve, over temperature protection, over current and short circuit protection, leakage protection, cooling lock, anti-scald chamber cover and bench, automatic troubleshooting		



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