

MODEL HG-50 & HG-80 AUTOCLAVES

Autoclaves with Innovative Features...Just Press a Button to Automatically Open and Close the Lid.



- ▶ **Automatic Lid Opening Button** replaces a foot pedal.
- ▶ **Automatic Lid Closing Button** closes lid conveniently and safely.
- ▶ **New Body Design** with a 50-liter chamber larger diameter and shorter height and also a 80-liter chamber model for larger capacity.
- ▶ **Safety Interlock** senses pressure and temperature and prevents lid from opening during a cycle, when the chamber is pressurized, and when the high temperature can cause boil over.
- ▶ **Programmable Auto-Start** for running a cycle from 1 to 99 hours later.
- ▶ **Large (15 liters)/ Efficient Steam Condenser** ensures no steam exhausts into the lab.
- ▶ **Over-Flow Lamp** indicates that the drain bottle is full and ready to be emptied.
- ▶ **Built-in Cooling Fan** for faster post-sterilization cooling and shorter completion time.
- ▶ **Selectable Rate** of steam venting after sterilization.
- ▶ **Programmable Time** for air removal before sterilization.
- ▶ **Twelve Programs Cycles** can be stored.
- ▶ **Large Control and Display Panel** improves functionality and shows the progress of the sterilization cycle.



Amerex Instruments, Inc.

HG-50 and HG-80

SPECIFICATIONS	HG-50	HG-80
Four Program Cycles And Three Sub-Programs	1) Liquid cycle, 2) Agar (liquid with warming) cycle, 3) Solid cycle; and 4) Agar dissolution and warming. Each of these four programs has 3 sub-programs in which sterilization parameters can be stored, providing a total of 12 stored program cycles.	
Temperature Range	105°C to 135°C	
Sterilization Timer	1 to 300 minutes	
Media Warming/ Holding Temperature	Programmable at 45°C to 60°C to keep media warm up to 24 hours	
Agar Dissolution & Warming Protocol	Initially at 60°C-100°C for 1-60 minutes, then at 45°C to 60°C for up to 24 hrs.	
Air Removal Timer	Programmable, 3 to 9 minutes after temperature has reached 97°C	
Steam Venting	Selectable from: No venting and three other venting rates	
Delay Start Timer	To program a cycle to automatically start 1 to 99 hours later	
Temperature for Release of Lid Interlock	Programmable, 60°C to 97°C for greater safety and flexibility	
Cooling Fan	Switch to turn fan on or off	
Outside Dimensions (WxDxH)	19.7" x 27.2" x 35.0" (455 x 691 x 890) mm	19.7" x 27.2" x 40.6" (455 x 691 x 103 mm)
Chamber Dimensions	14.3"Diam. x 19.0"H (364 x 482) mm	14.3"Diam. x 28.7"H (364 x 730) mm
Chamber Volume	50L working, 60.0L actual volume	76L working, 85.1L actual volume
Safety Features	Circuit breaker with GFCI, low-water power cut-off, over-temp power cutoff, over-pressure power cut-off, safety valve, sensor for improper lid closing, temperature and pressure safety interlock.	
Steam Condenser	15-liter water tank	
Cooling Fan	Standard fan for faster cooling	
Drain Water Bottle	2 liters	
Power Requirements	120V or 220V, 50/60 Hz, one phase	220V, 50/60 Hz, one phase
Power Consumption	2.0kW, optional 3.0kW at 220V	3.8kW
Optional	1) Load sensor – measures the load temperature. The sterilization timer begins counting only when the load temperature reaches the set temperature, 2) Data Logger, 3) Digital Printer 4) For HG-50 only: 3000-watt heater for faster sterilization (requires 220V).	
Warranty	1 year	
Shipping Weight	154 lb (70 kg)	181 lb (82 kg)

Accessories: Baskets, Pails, Drums, and Round Tube Racks



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