

Hirayama HG-50 and HG-80 Autoclaves With Innovative Feature... Just Press A Button To Automatically Open The Lid, Or Close And Lock It.



- ▶ **Automatic lid opening button** replaces a foot pedal.
- ▶ **Automatic lid closing button** closes and locks lid conveniently and safely.
- ▶ **New body design** with larger diameters and shorter heights.
- ▶ **Safety interlock** senses pressure and temperature and prevents lid from opening when the chamber is pressurized, temperature is too high, and also during a cycle.
- ▶ **Programmable auto-start** for running a cycle up to 99 hours later.
- ▶ **Efficient 15-liter steam condenser** eliminates steam exhaust into the lab.
- ▶ **Over-flow alarm** prevents overflow of water from the collection bottle.
- ▶ **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.
- ▶ **Large control and display panel** improves functionality and shows the progress of the sterilization cycle:



Amerex Instruments, Inc.

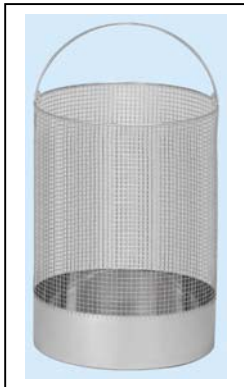
The HG-50 and HG-80 autoclaves incorporate many revolutionary features and functions, including a large built-in steam condenser, a cooling fan, and programmable air removal and steam venting

| SPECIFICATIONS | HG-50 | HG-80 |
|---|---|--|
| Outside Dimensions | (19.7W x 27.2D x 35.0H) in (455W x 691D x 890H) mm | (19.7W x 27.2D x 40.6H) in (455W x 691D x 1030H) mm |
| Chamber Dimensions | (14.3D x 18.5H) in, (364D x 470H) mm | (14.3D x 28.7H) in, (364D x 730H) mm |
| Chamber Volume | 50L working, 60.0L actual volume | 76L working, 85.1L actual volume |
| 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 | |
| Auto-Start Timer | Initiate a cycle 1 to 99 hours later | |
| Cooling Fan | Switch to turn fan on or off | |
| 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 | |
| Temperature for Release of Lid Interlock | Programmable, 60°C to 97°C for greater safety and flexibility | |
| Sterilization Program Cycles | 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 so that a total of 12 program cycles can be stored. | |
| Additional Cycle for Agar Dissolution | Cycle for dissolving and keeping agar warm (no sterilization) | |
| Agar Dissolution Protocol | Initially at 60°C-100°C for 1-60 min., then at 45°C-60°C for up to 24 hrs. | |
| 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 | |
| Steam Condenser | 15-liter water tank | |
| Drain Water Bottle | 2 liters | |
| Power Requirements | 120V or 220V, 50/60 Hz, single phase | 220V, 50/60 Hz, single phase |
| Power Consumption | 2.0kW, optional 3.0kW for 220V only | 3.7kW |
| Shipping Weight | 154 lb (70 kg) | 181 lb (82 kg) |

Options: 1) Load sensor – measures the load temperature. The sterilization timer begins counting only when the load temperature reaches the set temperature.

Accessories: Various stainless steel baskets, pails, and tube racks.

Basket w/ solid bottom



Mesh Wire Basket



Pail with solid bottom



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Manufactured under ISO 9001

