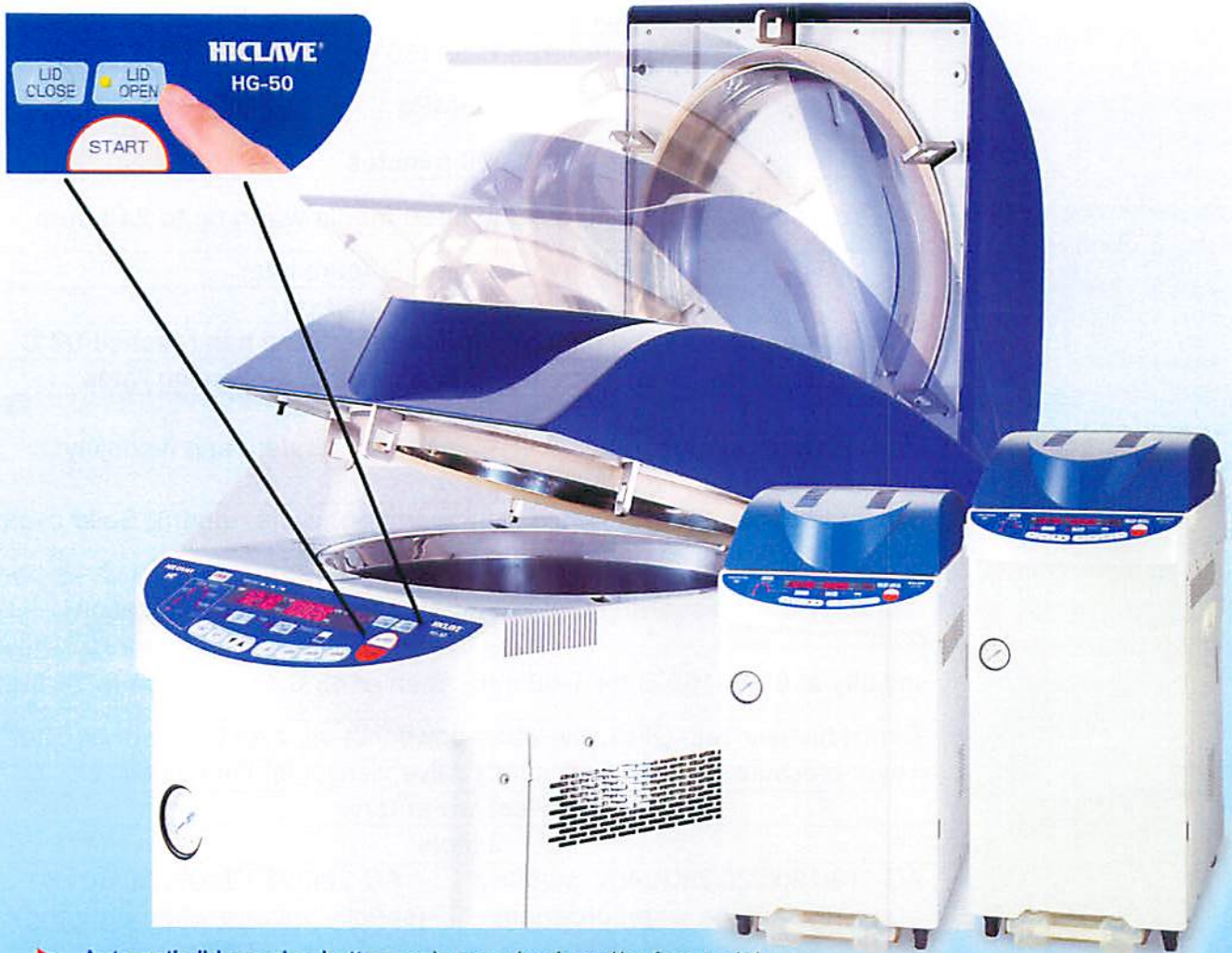


## HG-50/80 Autoclave with Innovative Feature...

Just Press a Button to Automatically Open the Lid, or Close and Lock it.



- ▶ Automatic lid opening button replaces a knob and/or foot pedal.
- ▶ Automatic lid closing button closes and locks lid conveniently and safely.
- ▶ New body design with a chamber of larger diameter and shorter height. (HG-50)
- ▶ 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.
- ▶ Large and efficient steam condenser minimizes 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.



Products shown in this brochure  
are manufactured by the company  
ISO 9001 / 13485 certified.



STERILIZING SIMPLY AND WELL **HIRAYAMA**



# HIRAYAMA HG-50/80 Autoclave incorporates 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	455W x 691D x 890H mm	455W x 691D x 1030H mm
Chamber Dimensions	364 $\phi$ x 482H mm	364 $\phi$ x 730H mm
Chamber Volume	50L working, 60L actual volume	76L working, 85L actual volume
Temperature Range	105°C to 135°C	
Maximum Allowable Pressure (Gauge Pressure)	0.26MPa	
Sterilization Timer	1 to 300 minutes	
Media Warming / Holding Temperature	Programmable 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, and 3) Solid cycle (3 program for each cycle)	
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 Source	AC 110/120/220/230/240V, 50/60Hz (specify voltage when ordering)	AC 220/230/240V, 50/60 Hz (specify voltage when ordering)
Power Consumption	2kW, optional 3kW	3.8kW
Net Weight (Approx.)	62 kg	73kg
Supplied Accessories	SS.Wire basket 2 pcs (HG-80 3 pcs), Drain bottle, Heater cover and Caster stopper (2 pcs)	

\* Specifications and appearance are subject to change for improvement.

**Options:** 1) Load sensor – measures the load temperature. (The sterilization timer begins counting only when the load temperature reaches the set temperature). 2) Automatic water feeder. 3) Recorder 4) 3kW heater for faster sterilization (for HG-50).

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



Mesh Wire Basket



Pail with solid bottom



Basket with solid bottom

Manufactured under  
ISO 9001 / 13485



Manufacturer

**HIRAYAMA**

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