

MODELS HV-25 & HV-50 AUTOCLAVES

Portable Top-Loading Autoclaves w/ Advanced Safety & User-friendly Features

The 25-liter HV-25 and the 50-liter HV-50 autoclaves are self-contained, portable floor models mounted on caster wheels. They occupy minimum floor space, operate at 120V, and can fit conveniently into many locations in the laboratory. Their many uses include the sterilization of agar, media, waste, and glassware. The HV-50 model can accommodate a 10-L fermenter, a 15-L carboy, a 19" x 24" biohazard bag, nine 1-L, or twenty-one 500-mL bottles, or one hundred eighty 20-mm test tubes.

Space-Saving Design with lid opening upward.

Dual-Sensing Safety Interlock prevents lid opening when cycle is running, or chamber is pressurized, or when temperature exceeds 97°C.

In-Process Display shows status and progress of sterilization cycle.

Programmable Auto-Start for initiating a cycle up to 1 week later.

Automatic Air Purging uses a microprocessor to detect & prevent overpressurization during a cycle.

Programmable Rate of steam exhaust.

Door-closure Sensor provides a prompt and the cycle will not start unless the door is closed properly.

One-Touch Lever to easily open and close chamber lid.

Useful Options: 1) floating (load) sensor to monitor load temperature. Sterilization timer is activated only when load temperature reaches set temperature. 2) cooling fan for faster post-sterilization cooling 3) digital printer 4) data logger and 5) auto water supply unit.

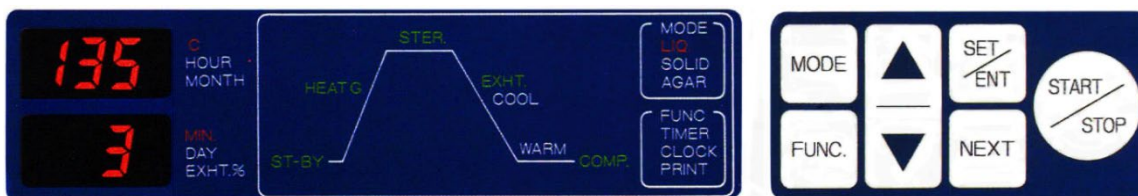
Agar Sterilization Mode for sterilizing agar and then automatically maintaining it at liquid temperature.

Agar Melting Mode for rapidly melting agar and maintaining it at liquid temperature, or for a hot and faster start-up.

Memory Backup System retains user-programmed parameters even in case of power failure.



CONTROL PANEL



Amerex Instruments, Inc.

MODELS HV-25 AND HV-50

SPECIFICATIONS	HV-25	HV-50
TEMPERATURE		
Operating Range	105°C to 126°C	105°C to 135°C
Display Range	128°C	137°C
Warming Range	45°C to 60°C	
Agar Dissolution	Heating at 60°C to 100°C for up to 1 hour (temp. and time programmable), followed by 45°C to 60°C (temp. programmable) for up to 20 hours.	
GAUGE PRESSURE		
Operating Range	3 to 22 psi gauge (0.02 to 148 MPa)	3 to 30 psi (0.02 to 0.206 MPa)
Maximum Allowable	27 psi (0.186MPa)	38 psi (0.26MPa)
TIMER		
Sterilization	1 to 250 minutes	
Delayed Auto-start	Program autoclave to start 1 minute to 7 days later	
DIMENSIONS		
Overall (W x D x H)	(19 x 18 x 37.4) in, (48 x 46 x 95) cm	(21 x 21 x 41) in, (53 x 53 x 104) cm
Chamber (Diam. x Ht)	25 liters, 9.4" x 21.6" (24 cm x 55 cm)	50 liters, 11.8" x 28" (30 cm x 71 cm)
SAFETY DEVICES	Dual-sensing safety lid interlock, over-pressure power cutoff, over-temperature power cutoff, low-water power cutoff, mechanical pressure relief valve, microprocessor-controlled pressure relief valve, lid-closure detector, over-current detector and circuit breaker	
PROGRAMS		
1. For agar	Heating → Sterilization → Exhaust (from no exhaust to slow, programmable) → Warming → Completion	
2. For liquids	Heating → Sterilization → Exhaust (from no exhaust to slow, programmable) → Completion	
3. For solids	Heating → Sterilization → Exhaust (from no exhaust to slow, programmable) → Completion	
4. For melting agar or for faster start-up	Rapid melting at 60°C to 100°C (temperature and time programmable) → Maintain at 45°C to 60°C (temperature programmable) → Completion	
POWER		
Source	120V, 50/60 Hz (220V/240V available)	
Consumption	1500 watts (1500VA)	2000 watts (2000VA)
WARRANTY	Autoclaves are protected by a 12 month limited warranty.	
OPTIONAL	1. Load sensor 2. digital printer 3. data logger 4. cooling fan 5. auto water supply unit	

Accessories: Baskets, Pails, Drums and Round Tube Racks



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