

MODEL HV-85 & 110 AUTOCLAVE

Portable Top-Loading Autoclaves with Advanced Safety and User-friendly Features

The 85 liter (HV-85) and 110-liter (HV-110) Autoclave is a large, self-contained, portable floor models mounted on caster wheels. Equipped with a chamber 16.5" in diameter, it can accommodate significantly larger loads than 50-liter models. They are ideal for the sterilization of fermenters, media, wastes, and laboratory glassware. The HV-110 has a chamber that can handle any 10-liter fermenter, or even a 30-liter Bellco bioreactor which has a 16" diameter.

Space-Saving Design with lid opening upward.

Dual-Sensing Safety Interlock prevents lid opening when 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.

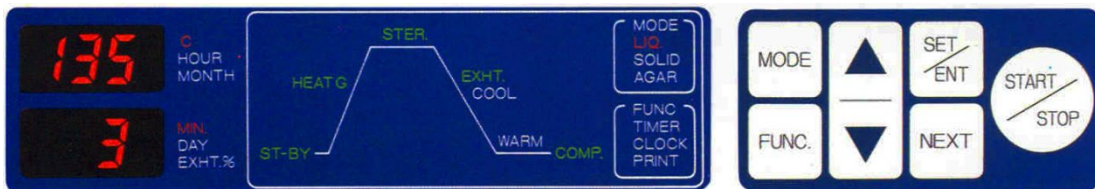


HV-85 Size: 85 liters, **HV-110:** 110 liters

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 in case of power failure.

CONTROL PANEL



Amerex Instruments, Inc.

MODELS HV-85 AND HV-110

SPECIFICATIONS	HV-85	HV-110
TEMPERATURE		
Operating Range	105°C to 135°C	
Display Range	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 30 psi (gauge), 0.021 to 0.21MPa	
Maximum Allowable	38 psi (gauge), 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)	(26 x 26 x 39) in, (66 x 65 x 100) cm	(26 x 26 x 47) in, (66 x 65 x 118) cm
Chamber (Diameter x Height)	85 liters 16.5" x 24.2" (42 cm x 61.5 cm)	110 liters 16.5" x 31.3" (42 cm x 79.5 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 (slow, programmable) → Warming → Completion	
2. For liquids	Heating → Sterilization → Exhaust (slow, programmable) → Completion	
3. For solids	Heating → Sterilization → Exhaust (fast, 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	
OPTIONS		
Factory or field installed	1. Data logger 2. Load sensor 3. Digital printer and 4. Cooling fan 5. Auto water supply unit	
POWER		
Source	208V/220V/240V, 50/60 Hz	
Consumption	3000 watts (3000VA)	4000 watts (4000VA)
SHIPPING WEIGHT	282 lb (128 kg)	308 lb (140 kg)
WARRANTY	Autoclaves are protected by a 12 month limited warranty.	

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



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