

MODEL HVE-50 AUTOCLAVE

Self-contained, Portable Top-Loading Autoclave With Auto Exhaust and Warming Cycles

The **50-liter, HVE-50 Autoclave** is a self-contained, portable, floor model mounted on casters. It does not need plumbing for installation, it occupies minimum floor space, operates at 120V, and can be placed conveniently in many locations in the laboratory. Its uses include the sterilization of agar, media, waste, and glassware. The HVE-50 can accommodate a 10-liter fermenter, a 15-liter carboy a 19" x 24" biohazard bag, nine 1-liter flasks, one hundred and eighty 20-mm tubes, or two hundred and seventy 13-mm tubes in three stacking baskets.

- ▶ **Door-Closure Sensor** provides a prompt and the cycle will not start unless the door is closed properly.
- ▶ **Temperature and Pressure Safety Interlock** prevents lid opening when the temperature exceeds 97°C or the chamber is pressurized.
- ▶ **One-Touch Lever** to easily open and close the chamber lid.
- ▶ **Agar Sterilization Mode** for sterilizing agar and then automatically maintaining it at a programmable liquid temperature.
- ▶ **Agar Melting Mode** for melting agar and maintaining it at liquid temperature, or for keeping the chamber warm for a hot and faster start-up.
- ▶ **In-Process Display** shows the status and the progress of the sterilization cycle.
- ▶ **Space-Saving Design** with lid opening upward.
- ▶ **Size:** 50 liters, 11.8" diameter, 28" height.



CONTROL PANEL



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HVE-50 AUTOCLAVE

SPECIFICATIONS	HVE-50
TEMPERATURE	
Operating Range	105°C to 135°C
Display Range	5°C to 137°C
Warming Range	45°C to 60°C
GAUGE PRESSURE	
Operating Range (gauge)	3 to 30 psi (gauge), 0.021 to 0.21MPa
Maximum Allowable	38 psi (gauge), 0.26MPa
TIMER	
Sterilization	1 to 250 minutes
DIMENSIONS	
Overall (W x D x H)	(20.1 x 20.8 x 40.9) in (51 x 53 x 104) cm
Chamber (Diameter x Height)	50 liter, 11.8" x 28" (30 cm x 71 cm) Accommodates a 10-liter fermenter, a 15-liter carboy, and up to 270 tubes
SAFETY DEVICES	Temperature and pressure lid interlock, over-pressure power cutoff, over-temperature power cutoff, low-water power cutoff, mechanical pressure relief valve, lid-closure detector, over-current detector and circuit breaker
PROGRAMS	
1. For agar/liquids. Also for melting agar, or for faster start-up	Heating → Sterilization → Auto steam exhaust or ambient cooling (programmable) → Warming → Completion
2. For liquids/solids	Heating → Sterilization → Auto steam exhaust or ambient cooling (programmable) → Completion
3. For solids	Heating → Sterilization → Auto exhaust (fast) → Completion
POWER	
Source	120V, 50/60 Hz, single phase (208V, 220V, and 240V available on request)
Consumption	2000 watts (2000 VA)
SHIPPING WEIGHT	180 lb (82 kg)
WARRANTY	1 Year

Accessories: Baskets, Pails, Drums and Round Tube Racks



Amerex Instruments, Inc.

3951C Industrial Way
Concord, California 94520
925.299.0743 / Fax: 925.299.0745
www.amerexinst.com
marketing@amerexinst.com