HV-25, HV-50, HV-85, and HV-110

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

The 25-liter (HV-25), 50-liter (HV-50), 85-liter (HV-85), and 110 liter (HV-110) Autoclaves are self-contained, portable floor models mounted on caster wheels. They occupy minimum floor space and can fit conveniently into many locations in the laboratory. Their many uses include the sterilization of agar, media, wastes, glassware, and fermentors, especially for the larger models.



Space-Saving Design with lid opening upward.

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

Special Option:

floating (load) sensor to monitor load temperature. Sterilization timer is activated only when the load temperature reaches set temperature.

Programmable Auto-Start for initiating a cycle up to

for initiating a cycle up to 1 week later.

Automatic Air Purging

by a microprocessor prevents over-pressurization during a cycle.

In-Process Display

shows status and progress of sterilization cycle in real time.

Other Options: Digital printer, data logger, cooling fan and auto water supplier

One-Touch Lever

to easily open and close chamber lid.

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.

Programmable Rate

for steam exhaust.

Dual-Sensing Lid Interlock

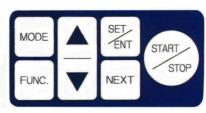
prevents lid opening when chamber is pressurized or when temp. is >97°C

Memory Backup System

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

CONTROL PANEL





MODELS: HV-25, HV-50, HV-85, and HV-110

SPECIFCATIONS	HV-25	HV-50	HV-85	HV-110
TEMPERATURE			-	
Operating Range	105°C to 126°C	105°C to 135°C		
Display Range	10°C to 128°C	10°C to 137°C		
Warming Range	45°C to 60°C			
Agar Dissolution	Heating at 60 ^o C to 100 ^o C for up to 1 hour (temp. and time programmable), followed by 45 ^o C to 60 ^o C (temp. programmable) for up to 20 hours.			
GAUGE PRESSURE			, , , ,	
Operating Range	3 to 22 PSI gauge (0.02 to 0.148 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:	(19 x 18 x37) in	(20 x 21 x 41) in	(26 x 25.6 x39) in	(26 x 26 x 46) in
(W x D x H)	(48 x 46 x 95) cm	(51 x 53 x 104) cm	(66 x 65 x 100) cm	(66 x 65 x118) cm
Chamber:	25 liters	50 liters	85 liters	110 liters
(Diameter x Height)	(9.4 x 21.6) in	(11.8 x 28) in	(16.5 x 24) in	(16.5 x 31) in
PROGRAMS	(24 x 55) cm	(30 x 71) cm	(42 cm x 61.5) cm	(42 x 79.5) cm
	Heating Ctorilination - Exhaust (from an exhaust to along managements)			
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) →			
of the conde	Completion			
4. For melting agar or	Rapid melting at 60°C to 100°C (temperature and time programmable) \rightarrow Main			
for a faster start-up	at 45 ^o C to 60 ^o C (temperature programmable) → Completion			
SAFETY DEVICES	Dual-sensing safety lid interlock. Over-pressure/temperature/lower-water power cutoff, mechanical pressure relief valve, microprocessor-controlled pressure relief			
	valve, lid-closure detector, over-current detector and circuit breaker			
POWER				
Source	120V, 50/60 Hz (220V available)		208V/220V/240V	
Consumption	1500 watts	2000 watts	3000 watts	4000 watts
MADDANTY	(1500VA)	(2000VA)	(3000VA)	(4000VA)
WARRANTY	Autoclaves are protected by a 12 month limited warranty.			
OPTIONS	1. load sensor 2. digital printer 3. data logger 4. cooling fan 5. automatic water			
	supply unit			

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







the company, ISO 9001 / 13485 / 14001 certified.



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