

MODEL HVP-50 AUTOCLAVE

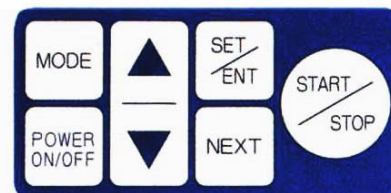
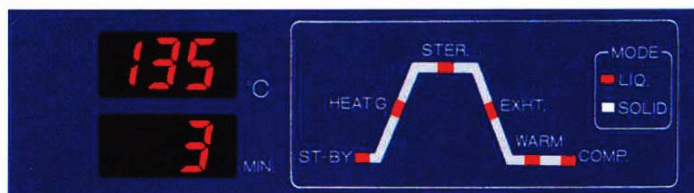
Top-Loading Autoclave with Drying by Heat and Vacuum

The HVP-50 Autoclave (with a 50-L chamber) is a self-contained, portable floor model mounted on casters. It occupies minimum floor space, operates at 120V, and can fit conveniently into many locations in the laboratory. Its many uses include the sterilization and drying of glassware, pipette tips, lab coats, wastes and also liquids such as agar and media. The HVP-50 can accommodate a 10-L fermenter, a 15-L carboy, a 19" x 24" biohazard bag, six 1-L flasks, twenty-one 500-mL bottles, 180 x 20-mm test tubes in two stacked baskets, or 270 x 13-mm tubes in three stacked baskets.

- ▶ **Space-Saving Design** needing only 20"W x 25"D of floor space, with lid opening upwards.
- ▶ **Lid Safety Interlock** prevents the lid from when the pressure or temperature is high, when a cycle is in progress.
- ▶ **One-Touch Lever** to easily open and close chamber lid.
- ▶ **Door-Closure Sensor** prevents a cycle starting unless the door is closed properly.
- ▶ **Process Display** shows the program selected and status of the sterilization.
- ▶ **Two Drying Cycles for Solid Loads** uses vacuum for faster and more efficient drying.
- ▶ **Drying-Only Cycle** for additional drying post-sterilization.
- ▶ **Cycle** for wastes and lab ware without drying
- ▶ **Liquid Cycle** for media and agar.
- ▶ **Vacuum Pump** removes air from the chamber when sterilizing solids such as glassware, and pipette tips, thereby eliminating cold spots, ensuring faster and more efficient sterilization.
- ▶ **Chamber Dimensions:** 11.8" D x 28" H, 50L



CONTROL PANEL



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MODEL HVP-50 AUTOCLAVE

SPECIFICATIONS	HVP-50
TEMPERATURE	
Operating Range	105°C to 135°C
Display Range	5°C to 140°C
PRESSURE	
Operating Range	Gauge: 3 to 30 psi, Absolute: 17.5 to 43.9 psi
TIMER	
Sterilization	1 to 250 minutes
Drying	1 to 90 minutes
Post-sterilization Drying	30 minutes of additional drying without the need to run another cycle
DIMENSIONS	
Overall (W x D x H)	(20.1 x 24.8 x 40.9) in (51 x 63 x 104) cm
Chamber	50 liters, 11.8" diameter x 28"H (30 cm x 71 cm)
SAFETY DEVICES	Temperature and pressure sensitive 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 with ground fault circuit interrupter.
PROGRAMS	
1. For Solids with 2 Air Purges & Drying	Air removal (2x) by vacuum pump (pre-vac) → Sterilization → Water and steam exhaust (fast) → Drying by heat and vacuum → Completion
2. For Solids with 3 Air Purges & Drying	Air removal (3x) by vacuum pump (pre-vac) → Sterilization → Water and steam exhaust (fast) → Drying by heat and vacuum → Completion
3. For Wastes/Solids Without Drying	Heating → Pre-vac → Sterilization → Water and steam exhaust (fast) → Completion
4. For Liquids/Agar	Heating → Sterilization → Auto steam exhaust (programmable rates, or ambient cooling w/o steam exhaust) → Completion
5. Drying Without Sterilization	Drying with heat and vacuum (time programmable) → Completion (for additional drying after Programs #1 and #2, if desired)
OPTIONS	Data logger
POWER	
Source	120V, 50/60 Hz, single phase, 2000 watts (220V available on request)
WARRANTY	1 year

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



Products shown in this brochure are manufactured by the company, ISO 9001 / 13485 / 14001 certified.



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