

HRH-110 FRONT-LOADING AUTOCLAVE

Autoclave: Pre-vacuum Cycle & Drying by Heat & Vacuum

- **Fully Automatic Operation** from start to finish with or without drying.
- **Self-contained Design** does not require plumbing for set-up, in-house steam, or a floor drain hole for steam exhaust.
- **Cycles for Waste/Solid Loads with or without drying and a Liquid Cycle for media and agar**
- **Pre-vacuum Cycle:** Vacuum pump removes air from the chamber when sterilizing solids such as glassware and pipette tips, thereby eliminating cold spots, and ensuring faster and more efficient sterilization.
- **Drying by Heat and Vacuum** increases drying efficiency and reduces cycle times.
- **Additional Drying Mode** for complete drying without having to re-run the sterilization cycle.
- **Delay Auto Start** allows programming autoclave to start up to 7 days later.
- **Large Internal Tank** for water exhaust eliminates the need for a floor drain hole.
- **Bacteria Filter** reduces re-contamination.
- **Auto Filling of Chamber** - Convenient auto-filling from a 10-liter internal water tank.
- **One-touch Door Closing Lever** opens and closes the door easily, surely and safely.
- **Door Safety Interlock** prevents door from opening during a cycle, when the chamber is pressurized, and the temperature is above 97°C at which point super-heated liquids might boil over when disturbed.
- **Door-closure Sensor** prevents a cycle from starting unless the door is properly closed.
- **Process Display** shows the program selected and the status of the sterilization cycle.
- **Chamber Dimensions:** 16.5" diameter x 31.3" depth (420 mm x 795 mm), 110 liters



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HRH-110 AUTOCLAVE

SPECIFICATIONS	HRH-110
Self-Contained Design	Does not require in-house steam, plumbing or a floor drain hole for installation
Sterilization Temperature	105°C – 135°C (programmable)
Temperature Display Range	5°C – 137°C
Sterilization Timer	1 ~ 60 min (remaining time displayed)
Drying Timer	1 ~ 120 min (remaining time displayed)
Drying Method	Drying by heat and vacuum
Sterilization and Operation Modes	1. For solids – pre-vacuum → sterilization → drying 2. For solids – pre-vacuum → sterilization → fast exhaust 3. For liquids – sterilization → slow exhaust 4. For drying – additional drying after mode #1 → end
Chamber Water Source	Auto water filling from an internal 10-liter water tank
Maximum allowable Pressure (Gauge Pressure)	0.206 MPa (2.06 kg/cm ² G)
Chamber Size	16.5" diameter x 31.3" depth, (420 diameter x 795 depth) mm
Chamber Material	Stainless steel SUS304
Outer Dimensions	27.2W x 45.3D x 54.5H in, (690W x 1150D x 1385H) mm
Pressure Gauge	Analog display: -0.1 to +0.4 MPa (-1 to 4 bar)
Safety Devices	Pressure relief valve, circuit breaker with GFCI, vacuum pump breaker, low-water power cut-off, insufficient water in the exhaust bottle warning lamp, error messages for 1) wire breakage in temperature sensor, 2) over-heating, 3) over-cooling, 4) over-pressure, and 5) door is not properly locked
Standard Accessories	Water Feed Bottle, Drain Bottle, and caster stoppers
Options	1) Digital Printer, 2) Data Logger and 3) Load Sensor
Power Source/Consumption	AC220V, 50/60Hz, 1 phase, 3.2kW
Net Weight (approx.)	462 lb, (210 kg)

ACCESSORIES: Rectangular wire basket with solid bottom and rectangular wire basket.



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