

HRM-242II

Autoclave with Pulse Exhaust System



Safe and reliable benchtop autoclave equipped with door interlock incorporates new Pulse Exhaust System for sterilization of both solids and liquids. The HRM-242II is an automatic benchtop autoclave which meets the need of researchers, lab technicians and dentists for a simple, speedy and safe autoclave for sterilizing solids and liquid loads. The Pulse Exhaust System enables the chamber to be quickly vented so that liquids can cool down and be removed without the risk of boiling over. Further, the door interlock ensures safety by preventing the chamber door from being opened until the chamber pressure equalizes with atmospheric pressure.



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

STERILIZING
SIMPLY AND WELL

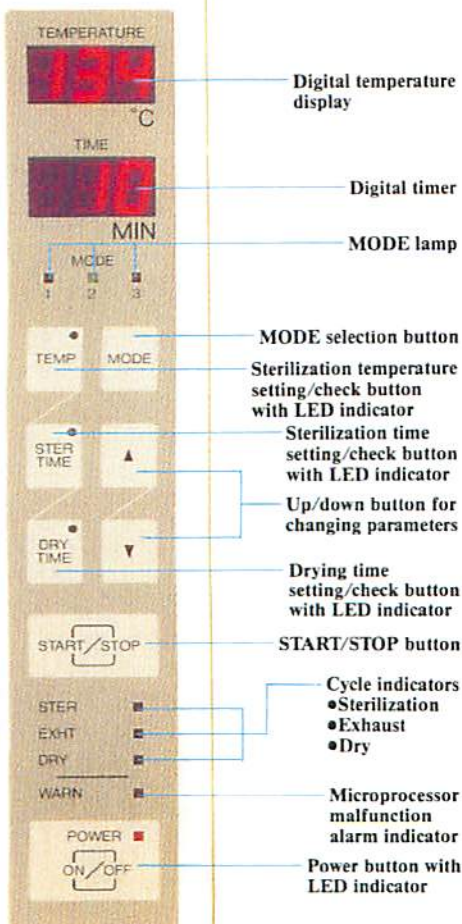
HIRAYAMA

HIRAYAMA Offers You a Better Way To Autoclave...



• Chamber holds four trays

1 Easy-to-use soft-touch keyboard controls



2 One-touch door interlock mechanism

The sliding door latch system offers convenient, one-touch door opening and secure closing. For safety, the door cannot be opened while the chamber is pressurized.

3 Automatic one-touch program selection

Depending on the load to be sterilized, you can access from three preset programs at the touch of the MODE button:

- 1) Sterilization—Venting—Drying
- 2) Sterilization—Rapid venting (solids)
- 3) Sterilization—Venting (liquid cycle)

After selecting the desired program, merely pressing the START key will automatically initiate and complete the program from sterilization through drying (if selected). The default parameters in each program can be changed quickly from the keypad. Once changed, the new values are retained in memory until reprogrammed. Thus, the same cycle can be repeated merely by pressing the START key.

4 Automatic steam venting system

In the liquid cycle, the automatic venting system is activated after completion of sterilization, providing controlled, unattended rapid cooling down, but without the risk of boiling over. In the solid goods cycles, steam is vented more rapidly after sterilization.

5 Full sterilization with efficient drying

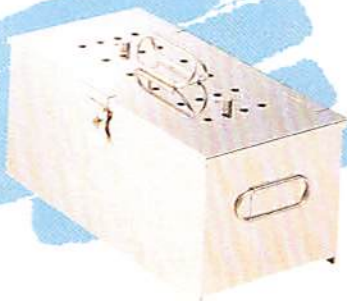
The microprocessor executes the sterilization cycle with accurate and precise temperature control. An internal drying heater is used to dry the load more efficiently than an external heater.

6 Fully automatic drying system

Unlike other benchtop sterilizers, the HRM-242II is truly automatic from start of sterilization to completion of drying. You do not have to be present to open the chamber door slightly before initiating the drying cycle because a air pump is used to push hot moist air out of the chamber. The internal heater and pump make drying in the HRM-242II rapid and efficient. Note: The air pump is an option which can be installed in the field.

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HRM-242II**

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●Sterilization dressing case

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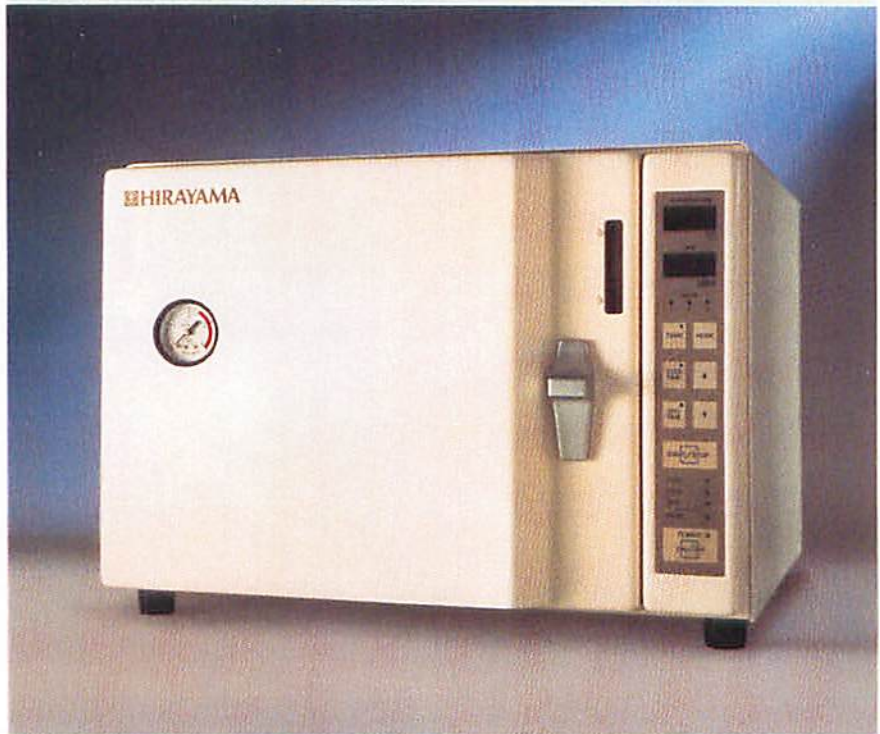
Compact design plus easy maintenance

The unit requires only 505W × 535D mm (20" W × 21" D) of benchtop space. A see-through tubing indicates the water level in the water reservoir so that it is easy to know when more water is needed in the reservoir. Draining and cleaning of the reservoir in routine maintenance is easy: just lower the water level tubing to a horizontal position and collect the outflow in a container.

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Safety features

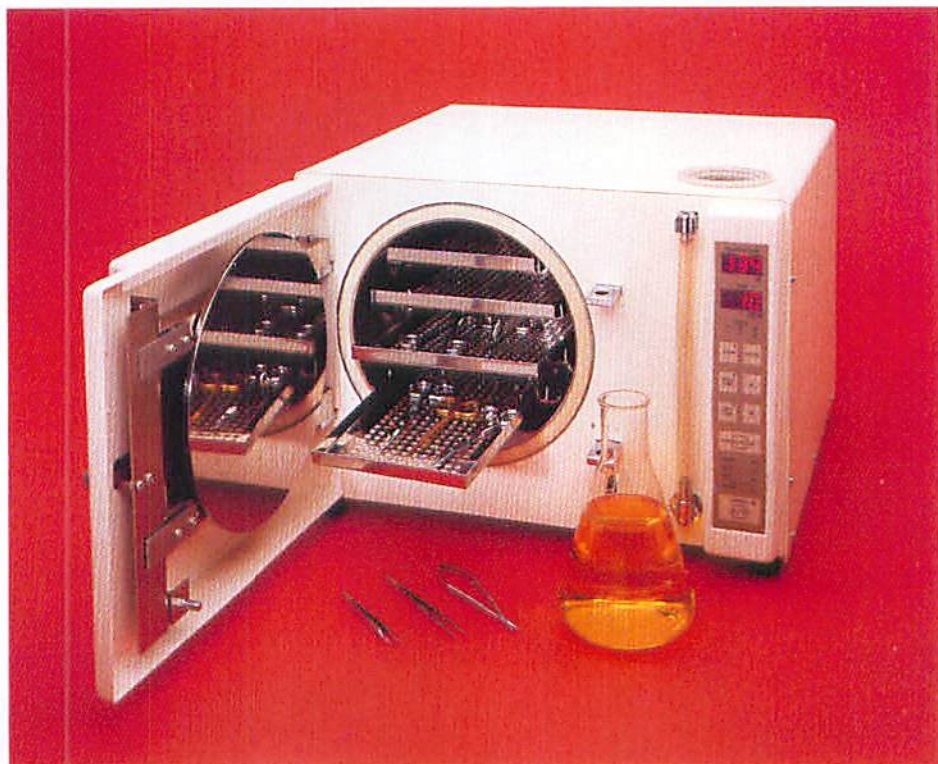
The array of safety features include a pressure relief valve, over-pressure power cutoff, low-water power cutoff, and circuit breaker. In addition, warning lamps and audible alarms alerts you to any abnormal condition or malfunctioning components. An on-board self-diagnostic system for troubleshooting rapidly pinpoints malfunctioning components, thereby minimizing downtime and service costs.



The model HRM-242II is an advanced, microprocessor-controlled benchtop autoclave for fast, efficient, and dependable sterilization of hard goods and liquids. Unlike other benchtops which require opening the chamber door prior to initiation of drying, the HRM-242II is fully automatic, performing sterilization through completion of drying with just the touch of the START button. The autoclave is compact, with a footprint of only 505W × 535D mm (20" W × 21" D). The 240mm (9.5") chamber accommodates up to four trays. Sterilization temperature range is from 105°C to 134°C, programmable in 1°C increments. The digital sterilization and drying timers are programmable from 1 to 60 minutes and 1 to 90 minutes, respectively.

HRM-242II

BENCHTOP AUTOCLAVE



SPECIFICATIONS

Model: HRM-242II

Outer dimensions:

505W × 535D × 380H mm

Chamber dimensions/capacity:

240φ × 360D mm/16l

Power requirements:

AC 50/60Hz, 1200VA.

100/110/120/220/240V are available please specify voltage when ordering.

Power consumption: 1.2kW

Shipping weight: 50kg

Chamber material: SUS 304 stainless steel

Sterilization temperature range:

105° to 134°C (in 1°C increments)

Max. operating pressure: 2.4kg/cm²G

Timer: 1 to 60 minutes, digital

Thermometer: 80° to 135°C, digital

Pressure gauge: 0 to 4kg/cm²G, analog

Lid lock system: Mechanical interlock

Drying system:

- Internal drying heater
- Air pump with door closed (optional).

Safety devices/alarms:

Over-pressure relief valve, over-pressure power cutoff with alarm, low-water power cutoff with alarm, microprocessor malfunction detection device with alarm, circuit breaker

Error indicators:

Insufficient water, sensor wire breakage, over-heating, under-heating, over-pressure, improper door closing and locking, insufficient water supply to chamber.

Accessories/options:

Rack and trays, culture media tray, dressing case.

Warranty: 1 year

Due to continuous product improvement, specifications may be subject to change without notice.

Manufacturer



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