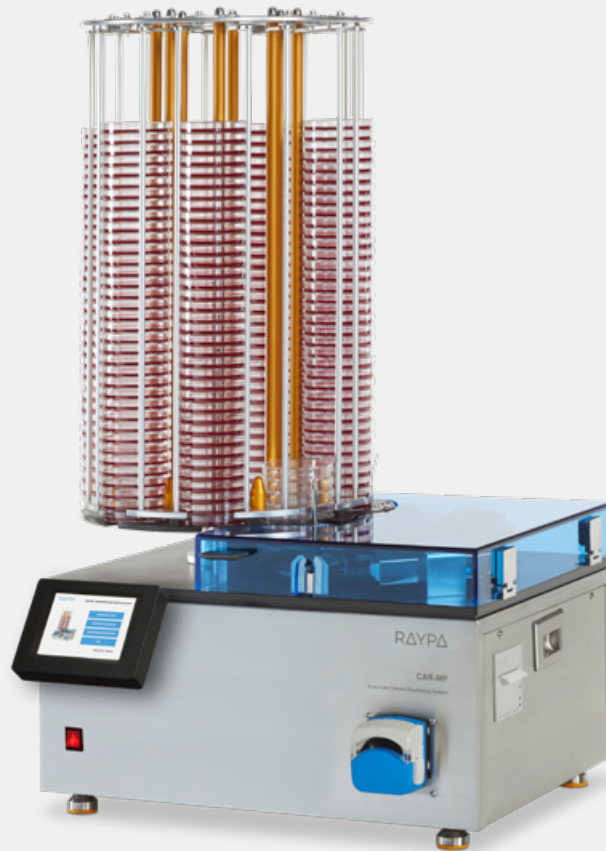


AUTOMATIC SYSTEM FOR DISPENSING CULTURE MEDIA

CAR-MP SERIES

COMPLETELY AUTOMATIC DISPENSING
OF CULTURE MEDIA IN PETRI DISHES

ACCESSORY



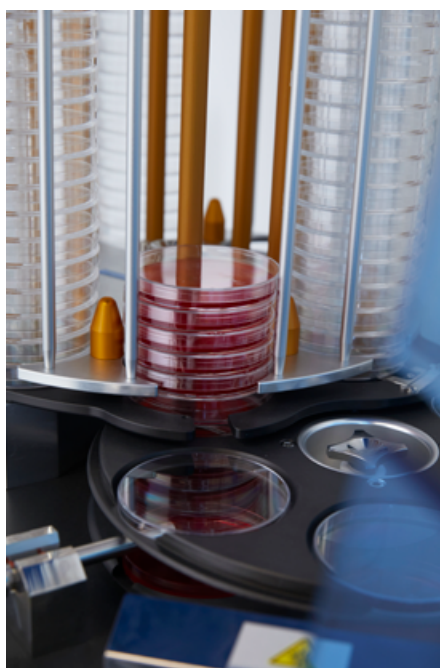
Automatic system for dispensing culture media

Our automatic system for dispensing culture media CAR-MP Series, is the ideal complement for microbiology laboratories that use media preparators and need to perform precise dispensations in Petri dishes. This system stands out for its ability to execute multiple processes automatically, thereby freeing laboratory staff from these tasks and significantly increasing the overall efficiency of the laboratory.

APPLICATION

+ **Fast dispensing of sterile culture media into Petri dishes in a fully automatic mode.**





BENEFITS

- Increased productivity.
- Reduced risk of contamination.
- Excellent homogeneity of filling volume between dishes.

INCLUDED ITEMS

- Control system, including: control panel, power switch, peristaltic pump and integrated printer.
- Carousel.
- Safety cover.
- Dispensing line (Ø8mm nozzle and Ø4,8mm tube).
- Vertical and horizontal alignment devices.
- 3 printer paper rolls.
- Nozzle cleaning brush.
- Power cable (European type).
- Tool kit (screwdriver and Allen key).

ADVANTAGES



Intuitive control panel with 7", available in two languages (English and Spanish).



Dispensing volume of 1-1000ml with a precision of <2%.



Dispensing by peristaltic pump with automated spill-proof resorption.



Storage for up to 20 different programs.



Four models available with a capacity ranging from 101 to 241 Petri dishes of 60 or 90 mm in diameter.*



External frame made of in stainless steel of high resistance and easy cleaning.



Dispensing speed of 9 dishes/min.



Rapid calibration of dispensing volume with multiple editable parameters.

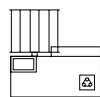


Dispensing area protected by UV-C lamp.

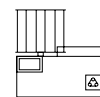


Compatible with Petri dish data printers such as LINX 89XX Series and MARKEM-IMAJE 9330 Series.

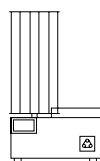
CAR-MP-110/60



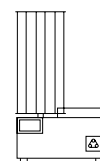
CAR-MP-110/90



CAR-MP 280/60



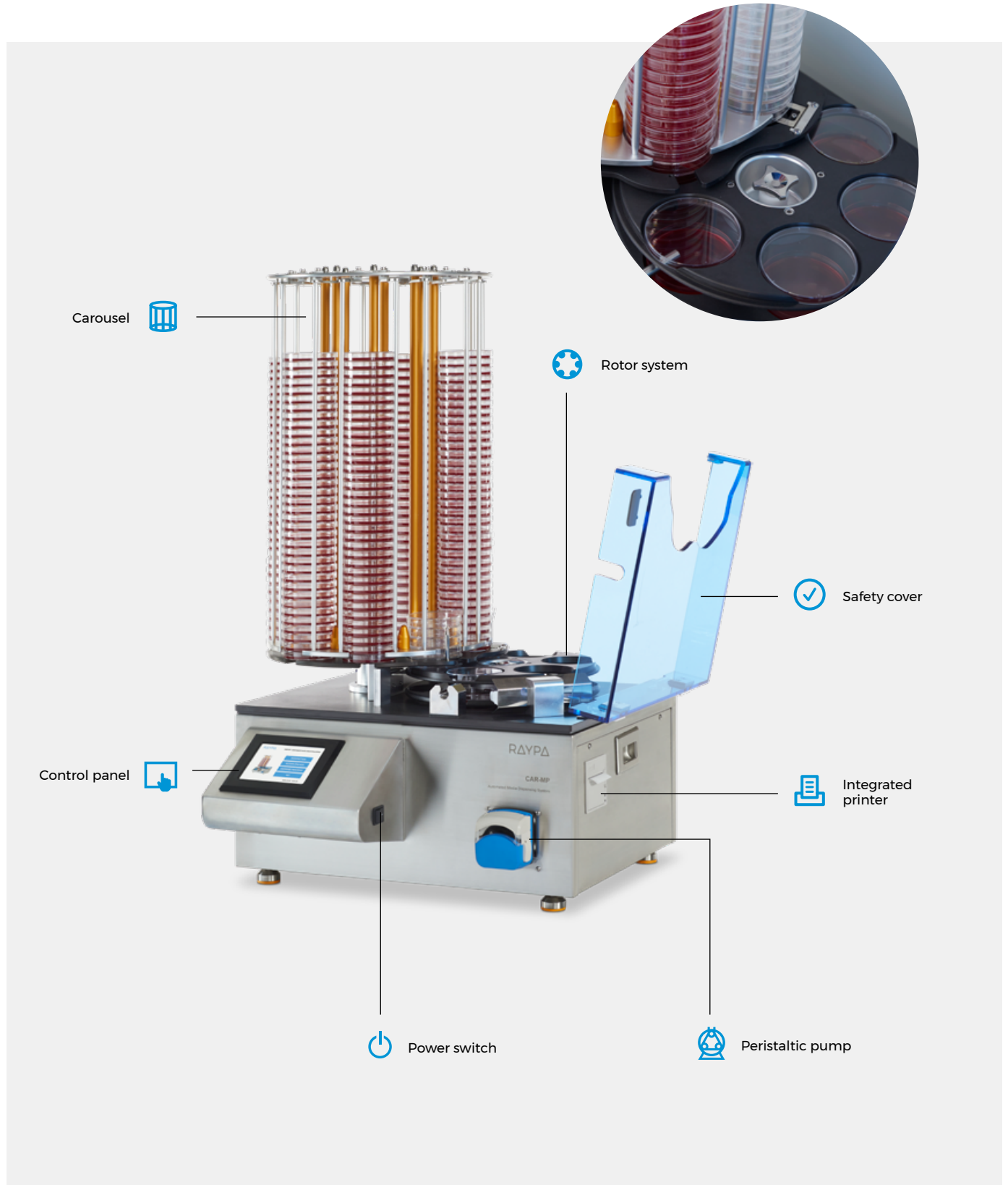
CAR-MP-280/90



*To guarantee the compatibility of the system with the exact model of Petri dishes used, it is necessary to send petri dish samples prior to purchase. Our technical team will make the necessary adjustments to ensure optimal performance.

Automatic system for dispensing culture media

MAIN COMPONENTS





CAROUSEL

Component arranged in eight columns. For optimal operation of the equipment, it is essential to always keep one column unoccupied.

ROTOR SYSTEM

This system is designed to detach the lids from the bases of Petri dishes and move them from the dispensing area to the stacking section. Included within this system is a sensor to identify whether Petri dishes are present or not, as well as a support piston responsible for sealing the Petri dishes.

SAFETY COVER

To reduce the entry of microorganisms into the filling area, the equipment is equipped with a UV-C lamp that prevents contamination. In addition, the cover ensures user protection and keeps the filling area isolated from the external environment.

PERISTALTIC PUMP

Built into the device, enables accurate dispensing of liquids. It can function autonomously or be manually operated, offering customization of the dispensed volume, the interval between dispensing, and the rate of dispensing.

Automatic system for dispensing culture media

CONTROL PANEL



Console from which the operation of the CAR-MP accessory is managed and controlled. On the main screen, you can select four primary functions:

DISINFECTION

Before starting the device, the filling area must be irradiated by the UV-C lamp to prevent the risk of contamination.

ROTATE STACKER

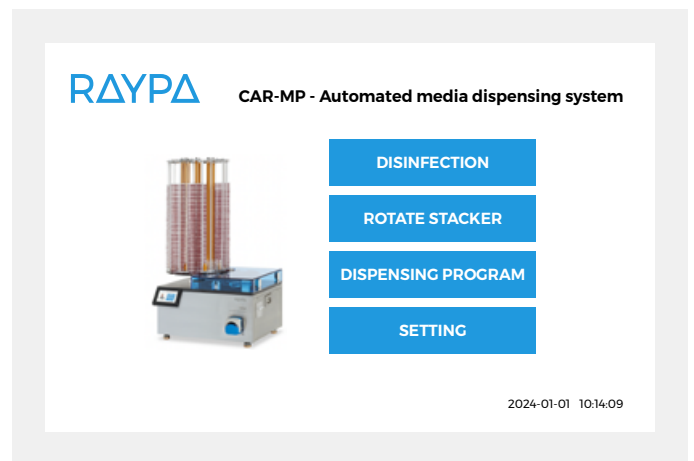
This function must be activated whenever the carousel columns are manipulated. There is a mode for loading empty Petri dishes and another one for unloading filled Petri dishes.

DISPENSING PROGRAM

Up to 20 dispensing programs can be configured and stored.

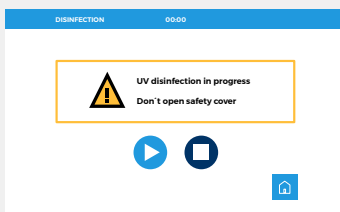
SETTING

It allows setting parameters such as date, time, peristaltic pump calibration, disinfection time, suction setup, manual dispensing, hole correction, and piston cleaning.

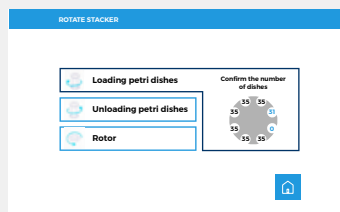




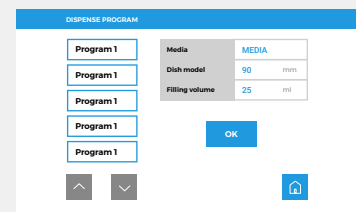
STEPS TO RUN A PROGRAM



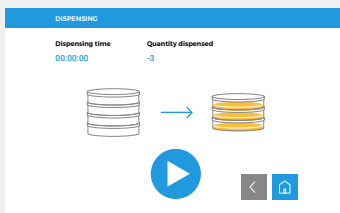
1. Select the "Disinfection" function in the main menu.



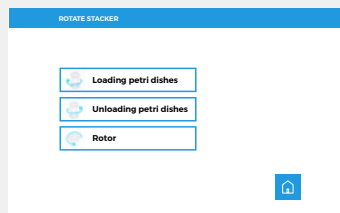
2. Activate the "Rotate stacker" function, press "Loading Petri dishes" and place Petri dishes in the carousel columns.



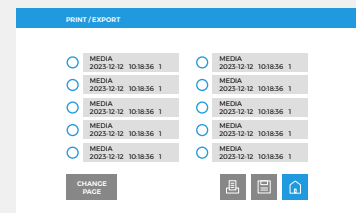
3. Select "Dispense program" and fill in the desired parameters.



4. Start dispensing.



5. Activate the "Rotate stacker" function, press "Unloading Petri dishes" and remove the Petri dishes from the carousel columns.



6. Follow the path "Setting" > "Data inquiry" > "Print / Export" and click on the printer icon to print the ticket.

Intuitive control panel with 7" color touchscreen display for easy operation.



Automatic system for dispensing culture media

INSTALLATION AND OPERATION



ASSEMBLY AND BASIC ADJUSTMENTS

The accessory should be installed meticulously by adhering to the directions outlined in the installation guide. After installation, it's important to adjust the settings as specified in the manual, including conducting a start-up test, calibration, and making any necessary adjustments to the holes.

DISINFECTION

A disinfection program should be carried out prior to starting the dispensation to prevent the risk of contamination. Additionally, it is advisable to perform a thorough cleaning of all the components and surrounding areas.



CONNECTION TO THE MEDIA PREPARATOR



1. Connect the free end of the carousel dispensing line to the dispensing port of the media preparator.



2. Place the dispensing line inside the peristaltic pump of the CAR-MP and close the head.



3. Insert the nozzle of the dispensing line into the dispensing area of the carousel.



4. Set the dosing selector of the media preparator to "OPEN" mode.

Automatic system for dispensing culture media

MAINTENANCE AND CLEANING



CLEANING

Regular cleaning of the main control system, rotor and carousel is essential to ensure optimum performance and extend the lifespan of the device. For more detailed information please refer to the manual and installation guide.



UV-C LAMP

It is essential to periodically check the proper operation of the germicidal lamp to verify its effectiveness. If it is dirty, it should be cleaned with a soft, dry cloth.



INTEGRATED PRINTER PAPER ROLL

The replacement of the paper roll of the integrated printer can be easily done:



1. Open the front cover by pressing the side button of the printer.
2. Place the new roll in the compartment.
3. Gently pull the roll and close the printer cover, leaving one end of the paper visible.





Dispensing area protected by a safety cover and a UV-C lamp that guarantees the sterility of the filling area.



IMPORTANT: To guarantee the compatibility of the system with the exact model of Petri dishes used, it is necessary to send petri dish samples prior to purchase. Our technical team will make the necessary adjustments to ensure optimal performance.



Technical data

References	CAR-MP-110/60	CAR-MP-110/90	CAR-MP-280/60	CAR-MP-280/90
External dimensions L x D x H mm	600 x 610 x 650	600 x 610 x 650	600 x 610 x 990	600 x 610 x 990
Total weight Kg	50,5	50,5	53	53
Power W	350	350	350	350
Voltage V	110 - 220	110 - 220	110 - 220	110 - 220
Frequency Hz	50/60	50/60	50/60	50/60
Maximum stacking height of Petri dishes mm	230	230	560	560
Total capacity of Petri dishes u	101	101	241	241
Compatible Petri dishes diameter* mm	60	90	60	90
Dispensing volume ml/Petri dish	1 - 99	1 - 99	1 - 99	1 - 99
Flow rate ml/min	600	600	600	600
Maximum productivity u/h	500	500	500	500

*Through the intervention of an authorized technician and the acquisition of the necessary components, it is possible to modify the size of compatible Petri dishes from any Ø60 mm model to Ø90 mm and vice versa.

Safety features

- Safety cover.
- Emergency switch.
- Spill-proof peristaltic pump.
- UV-C lock system activated when the cover is opened.

Related services



IQ-OQ DOCUMENTATION
Ref. IQ-OQ DOC-CAR-MP

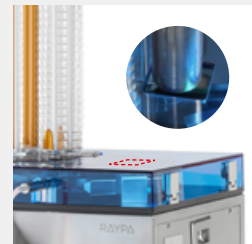


IQ-OQ-PQ QUALIFICATION
Ref. IQ-OQ-PQ-CAR-MP



THERMAL PAPER
Ref. 71873

Accessory



CUSTOM SAFETY COVER FOR PETRI DISH PRINTER
Ref. ADAPT-COVER-60 and ADAPT-COVER-90



Compatible with LINX 89XX Series and MARKEM-IMAJE 9330 Series printers.



VIDEO

Top line and Classic line media preparators

