Short user's manual

Media Pump

EU cat. No 710-2126

Manufactured in France

Warning

Powerful, it guarantees from 10 to 550 Rotations Per Minute (RPM). The liquid flow is kept closed and sterile: tubes, bottle and connectors are autoclavable up to 121°C.
Liquids up to 100°C can be dispensed.
Media Pump can be used with lab temperature from 5 to 30°C.
Media Pump is in compliance with ISO 7218 and FDA-BAM standards. 2% precision can be achieved in many applications.

Safety information

Please follow the guidelines below, and read this manual in its entirety to ensure safe operation of the unit.



To avoid electrical shock:
The power connection should be made with an undamaged power cord provided with a ground terminal.

Getting started

Principles of use :
Media Pump has 3 dispensing modes: continuous, dose and multi-dose.
Continuous mode: In this mode, the user controls (by hand or by foot) the starting and stopping moments of the pump. The pump speed controlling the flow is initially programmed by the user.
Dose mode: In this mode, the user controls (by hand or by foot) the starting moment of the pump. The pump immediately stops when the programmed volume is dispensed. The pump speed and the volume to distribute are initially programmed by the user.
Multiple-dose mode: In this mode, the user controls (by hand or by foot) the starting moment of the pump for the first dose. The pump automatically stops when the programmed volume is dispensed. Then it automatically dispenses again after a programmed delay. The user programs the speed of the pump, the volume to dispense, the number of doses and the delays between initially.
Principles of operations :
Media Pump is a peristaltic pump controlled by a microprocessor.
When a dispensing is programmed, the microprocessor controls the pump in movement and stops it when the pump has done the asked number of rotations.
A calibration operation is necessary to set and memorize the number of necessary rotations.
Concept of program :
Media Pump is a programmable equipment.
The user can choose their preferred programs and memorize them.
Each preferred user mode, (for example 9 mL in mono dose at a 3 mL/s flow) is then called a program. The user can then enter other programs and name them so they can easily distinguish them.
Media Pump is delivered pre-programmed with the following programs:
• tube 9ml: distribution of 9 mL doses
• 18ml dishes: distribution of 18 mL doses
• multi 9ml: multiples 9 mL doses
• bag: distribution of 225 mL doses
• Continue: continuous and fixed flow

Maintenance

Daily:
Autoclave (121°C for 15 min minimum) the tubing set (when the Media Pump® is used in a sterile environment).
The tubing supports are fully autoclavable.

Change the silicone tubing:
In the event of leakage, hardening or sticking of the tubing.

Every 20 autoclaving:
Replace the air filter (ref. 710-2099).

Note: To clean the top shell, do not use bleach because it damages the stainless steel. We recommend to disinfect with ethanol 70°.

For more information, please consult the full manual.