

Universal Plate Pourer

The universal plate pourer is an efficient, reliable instrument with unique capabilities. It can dispense liquid media into any standard plates/dishes, including round (Petri) and rectangular/square formats.

The pourer is very easy to use: simply load empty plates and media, and push the Start button. There is no need to adjust any hardware, select any programs, or even go through any menus. The instrument will automatically pour perfect plates in a contamination-free environment.

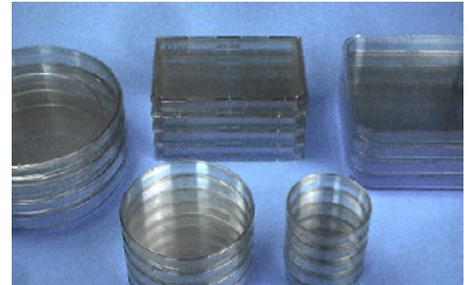


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Versatile

The Universal Plate Pourer can fill Petri dishes in three standard formats: 60 mm, 90/100 mm, and 150 mm. It can also pour ANSI/SBS (128 × 86 mm rectangular) and 100/120 mm square plates.

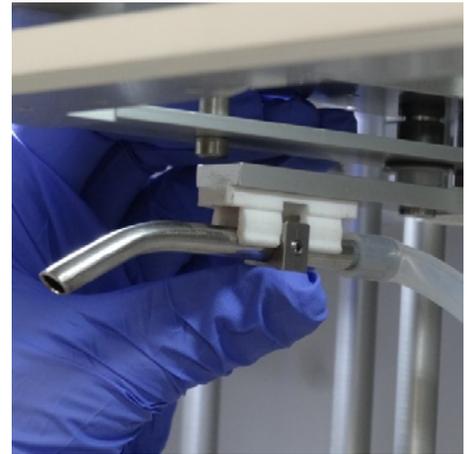
The automated media filler accommodates wide variety of sizes and styles within each format, so there is no need to use plates from specific suppliers or to adjust the pourer in any way.



Fast to load and unload

Either one or two stacks of plates can be placed on the plate racks. Loading and unloading of plates is fast and safe, even when the plates are filled with liquid media.

Large quantities of plates can be processed efficiently by running several batches back-to-back. The media tube can be installed or removed in less than 30 seconds.



Contamination free

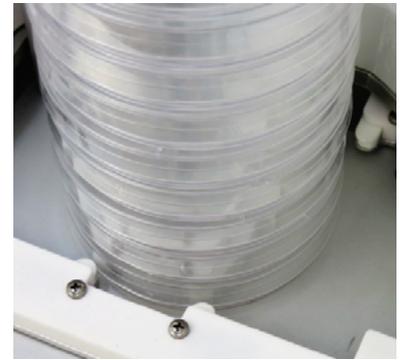
The plates are opened and the media is dispensed inside fully enclosed cabinet. Germicidal UV lamp can be used before a series of pouring runs, or can be programmed to turn on before and/or during each run. The cabinet's tub-shaped bottom will contain any spills. With smooth, rounded walls and instantly removable plate racks, the cabinet is easy to clean and decontaminate.



Reliable

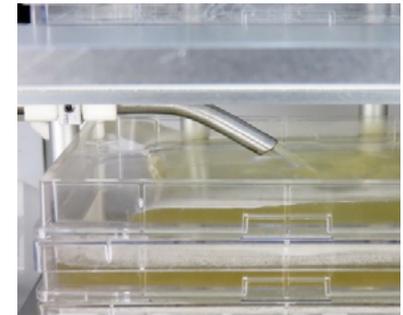
Optical and tactile sensors on the plate grippers work together to identify and locate the plates, and to detect any abnormal situations, such as misplaced or broken plates.

Non-contact sensing of liquid in the media tube prevents spoiled plates by detecting air bubbles before they can reach the plates.



Precise

With angled nozzle outlet and precise positioning of the nozzle tip, the media is dispensed quickly and bubble-free, regardless of the media type used. High-quality media tubing and peristaltic pump with calibration feature allow dispensing of precise volumes at high flow rates.



Easy to operate

At the start of a new pouring run the Universal Plate Pourer automatically identifies the plate format and selects the corresponding set of operating parameters: the pouring volume and speed, nozzle location for dispensing and UV settings.

It then proceeds to fill the entire batch of loaded plates. The touch-screen graphic user interface is simple and intuitive. It provides easy access to all controls and user-adjustable parameters. New users can access on-screen step-by-step instructions that help them prepare and start a new pouring run.



User-friendly

The cabinet has leveling feet and built-in level indicators to help maintain uniform thickness of liquid media in the plates.

The Universal Plate Pourer is compact and weighs only 24 kg – less than half of a carousel-style pourer's weight.





Universal Plate Pourer Technical Specification

Dimensions (W x D x H)	66 cm x 36 cm x 64 cm (26" x 14" x 25")
Weight	23.5 kg (52 lbs)
Power supply input voltage	100-240 VAC 50-60 Hz
Max. power consumption	60 W
Plate/dish types	ANSI/SBS (rectangular 128 x 86 mm) Square 100/120 mm Petri 60 mm Petri 90/100 mm Petri 150 mm
Maximum plate stack height	415 mm
Maximum batch capacity	54 @ 15 mm/plate
Pump dosing range - plate pouring	1 to 100 ml in 0.5 ml increments
Pump dosing range - pump mode (optional)	1 ml to 5 l in 0.5 ml increments
Maximum flow rate	900 ml/min.
Dosing accuracy	Approx. 1%
UV lamp	8 W G8T5 (253.7 nm, 2.5 W UV output)



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