

# PETRISWISS PS900

The new PETRISWISS PS900 is a fully automatic and very precise Petri dish filling system, "made in Switzerland", of the most recent generation, based on state-of-the-art findings, featuring a broad range of possible applications and with a sensational price-performance ratio.

## FIELDS OF APPLICATION

Laboratories, research and development, the chemical industry, the pharmaceutical industry, hospitals, the food industry and universities etc.

## POSSIBLE APPLICATIONS

DISH LOADING	freely loading single dishes or dish stacks onto the supply belt
SINGLE DOSING	programmable medium dosing quantity per Petri dish
VOLUME DOSING	programmable total dosing quantity (e.g. 8.5 l) onto number of dishes (e.g. 850 dishes)
DISH LABELLING	automatic, alphanumeric dish labelling
MEDIA SMOOTHING	automatic media smoothing after filling/labelling
STACKING	programmable stacking quantity (1-20) of the filled Petri dishes
DISH DISCHARGE	automatic discharge of the filled/labelled dish stacks

## INCLUDING USEFUL FEATURES !

Program data, parameters and operating states are displayed clearly and understandably on an easy-readoff, backlit graphic display. The unit is very operator-friendly. Entries are made via assigned keys (softkeys) and a numeric keypad. The unit is operated by means of a state-of-the-art touch screen.

- Backlit graphics display for easy readoff.
- Easily understandable, user-friendly operation with touch screen.
- Operator prompting in German or English, freely selectable by the user.
- Fully automatic filling, labelling, smoothing and stacking of the Petri dishes.
- High, trouble-free Petri dish throughput.
- Autonomous operation thanks to large Petri dish store at loading or discharge point.
- Dosing quantities, speed, pause time and AntiDrop function programmable.
- Printer function with 12 freely programmable printed texts. Use-by date, dish counter and also the current date and time as placeholders can be activated in the printed text.
- Stack function with programmable Petri dish stacking height.
- Automatic initialisation and execution of a self-test.
- Self-monitoring of all device functions (motors and switches .....).
- Interface for connection of a foot pedal (start/stop function).
- Connection facility for a higher-level host PC.
- Discharge of the filled stacks into a fully automatic Petri dish handling system provided by the customer.
- Easy care and servicing of the individual device components.



## TECHNICAL DATA

(subject to technical modification)

Parameter	Value	Remarks
Supply voltage: mains voltage	115 V AC +/- 10% 230 V AC +/- 10%	50/60 Hz 50/60 Hz
Current consumption from mains 230 V AC	210 mA / 360 mA	standby / operation
Current consumption from mains 115 V AC	310 mA / 560 mA	standby / operation
Power consumption:	45 VA / 80 VA	standby / operation
Mains fusing: Connection	250 V/3.15 A slow-blow	fuse in inlet connector for non-heating appliances
Power pack	4.0 A quick-action	fuse on internal power pack

Parameter	Value	Remarks
Dimensions W x H x D	1600 x 760 x 555 mm	
Weight	70 kg / 81 kg	not including packaging / including packaging
Ambient temperature	+5°C to 45°C	
Support	stable	
Sound pressure level	< 79dBA	
Pollution severity	II	
Safety class	IP 21	

Parameter	Value	Remarks
Suitable dish diameters	89 – 96 mm	
Suitable dish heights	14 – 20.5 mm	
Dish store	400 ea.	
Dosing quantity	1.0 – 99.9 ml	
Dosing accuracy	1 %	
Delivery rate	600 ml / min.	
Filling capacity	900 dishes / hour (15 ml)	
Filling stroke delay	0 – 9.9 seconds	
AntiDrop	0 – 1.0 seconds	
UV contamination safety lamp	253.7 nm (0.6 Wuvc)	
Programmable printed texts	12	
Printable characters	A-Z, 0-9, 4 placeholders	
Media smoothing	yes	
Direct dish throughput	yes	
Quantity of dishes per stack	1 – 20 dishes per stack	
Dish quantity on discharge table	500 ea.	
Graphic display	240 x 128 pixels	with LED backlighting
Interfaces	RS232 RS485	connection to host BioLink (laboratory device communication)

**BIOTOOL SWISS AG**

**WEINFELDERSTRASSE 113 CH-8580 AMRISWIL**  
**TEL +41 71 411 02 02 FAX +41 71 411 02 03**