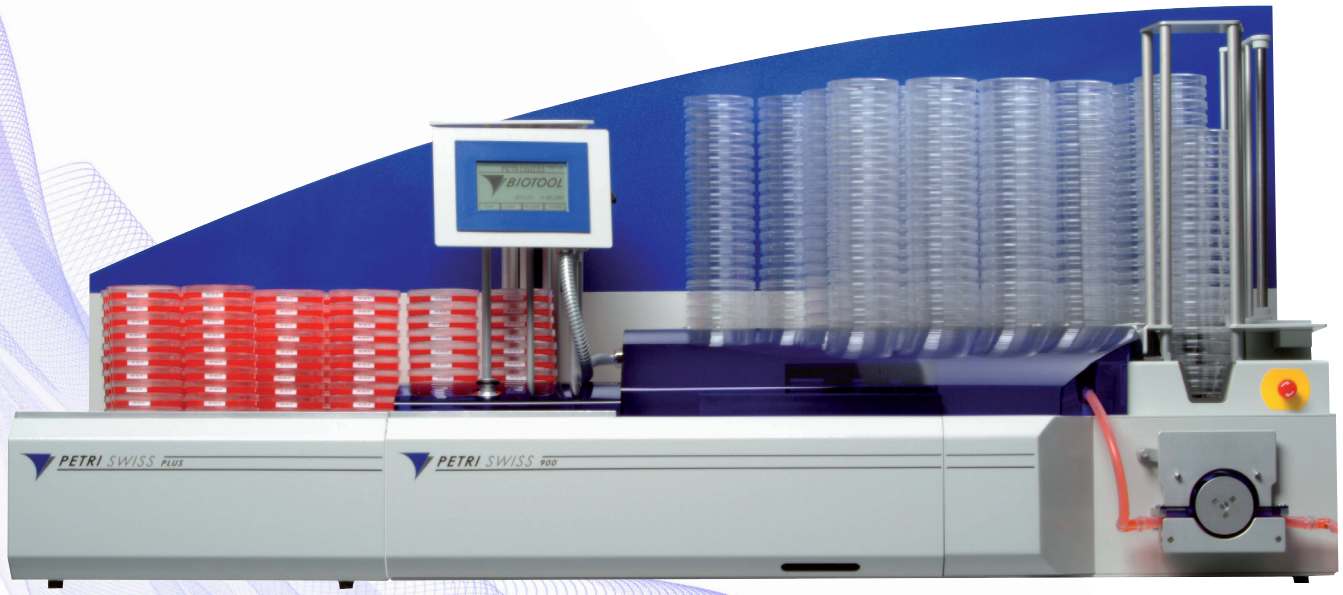
PetriSwiss PS900



High through put filling

- Ideal for filling 90mm Petri Dishes
- Up to 900 dishes/hour automatic filling
- UV light integrated
- Adjustable stacking height 1- 20 plates
- Low pulsation by 10-roller double pump head
- Large diameter double tubings
- Adjustable speed
- Single dosing, optional foot switch, blood addition

PetriSwiss PS900

The unique PetriSwiss PS900 is a fully automatic, linear and very precise Petri Dish filling system, “made in Switzerland”, for high through-put filling and true walk away.

Preload of 400 dishes, reload at any time, filling under UV light in covered filling chamber, Agar is applied by the unique 10-roller double head peristaltic pump with low pulsation, Vibramix for equal distribution of Agar and stacking from 1-20 dishes or pushed on the optional push-out table, operated by a touch screen.

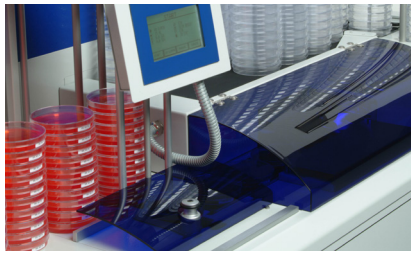
The PS900 is a heavy duty worker in dish filling.

Dish stacks of required height:
Free selectable stack height (1 to 20 dishes) and can also be adapted for continuous further processing. No need for reloading or counting.

Pump delivery:
The 10-roller double pump head ensures a uniform and non-pulsatory pumping rates up to 800 ml/min. and the AntiDrop function suppresses dripping.

- Rapid filling of approx. 800 dishes/h (15ml)
- Easy to use + easy to calibrate
- Preload 400 dishes
- Graphic display with backlighting for perfect read-off
- Dosing quantities, speed, pause and AntiDrop function
- Easy to clean, side door and service drawer
- 1-99 ml dosing range
- Optional Push-out table
- Optional second pump connection for blood agar
- Optional integration of ink jet printer

Ideal for:
- Microbiology Laboratories
- Research and development
- Pharmaceutical industry
- Hospitals
- Food industry
- Universities, media kitchen



Including usefull features

Program data, parameters and operating information are clearly displayed 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.

- 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 and the conveyor belt system at loading or discharge point.
- Dosing quantities, speed, pause time and AntiDrop function programmable.
- Optional ink jet integration
- Printer function with 12 freely programmable printed texts. Use-by date, Barcodes, 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) or additional pump for blood
- Connection facility for a higher-level host PC.

Dimensions

Width (mm)	1600
Depth (mm)	555
Height (mm)	760
Net weight (kg)	80 / 103 (packed)

Performance

Delivery rate	800 ml / min.
Dish quantity on discharge table	500
Filling speed dishes/h	~900 (15 ml)

PetriSwiss PS900

Technical Data

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 Current consumption from mains 115 V AC	210 mA / 360 mA 310 mA / 560 mA	standby / operation standby / operation
Power consumption:	45 VA / 80 VA	standby / operation
Ambient temperature	+5°C to +45°C	
Suppoert	stable	
Sound pressure level	<79dBA	
Pollution severity	II	
Safety class	IP21	
Suitable dish diameters	89 - 96 mm	
Suitable dish heights	13 - 20.5 mm	
Dish load	400 ea.	
Dosing quantity	1.0 - 99.9 ml	
Dosing accuracy	+/- 1%	
Filling stroke delay	0 - 9.9 seconds	
AntiDrop	0 - 1.0 seconds	
UV contanimation safety lamp	253.7 mm (0.6 Wuve)	
Programmable printed texts	12	
Printable characters	A-Z, 0-9, 4 placeholders	Barcodes, Logos
Media smoothing	yes	
Direct dish throughput	yes	
Quantity of dishes per stack	1 - 20 dishes per stack	
Graphic display	240 x 128 pixels	with LED backlighting
Interfaces	RS 232 RS 485	connection to host BioLink (lab device commun.)

Items

900000	PetriSwiss PS900, dish filler, 90mm	1 pcs
901370	Push-out table, 65x50cm	1 pcs
901361	Back wall for instrument	1 pcs
101015	Double tubing set (8x12mm) with safety nozzle	1 pcs
900518	UV Lamp, bulb, 254.7nm for PS20/900	1 pcs
903305	Integration 8900 in PS900, complete	1 pcs
101010	Foot switch for DP1000+PS-series	1 pcs

high throughput setup with blood addition pump
and ProfiClave Agar preparator

CE

Your local dealer

BioTool AG | Industrie Neuhof 9 | CH-3422 Kirchberg | info@biotoolswiss.com | www.biotoolswiss.com