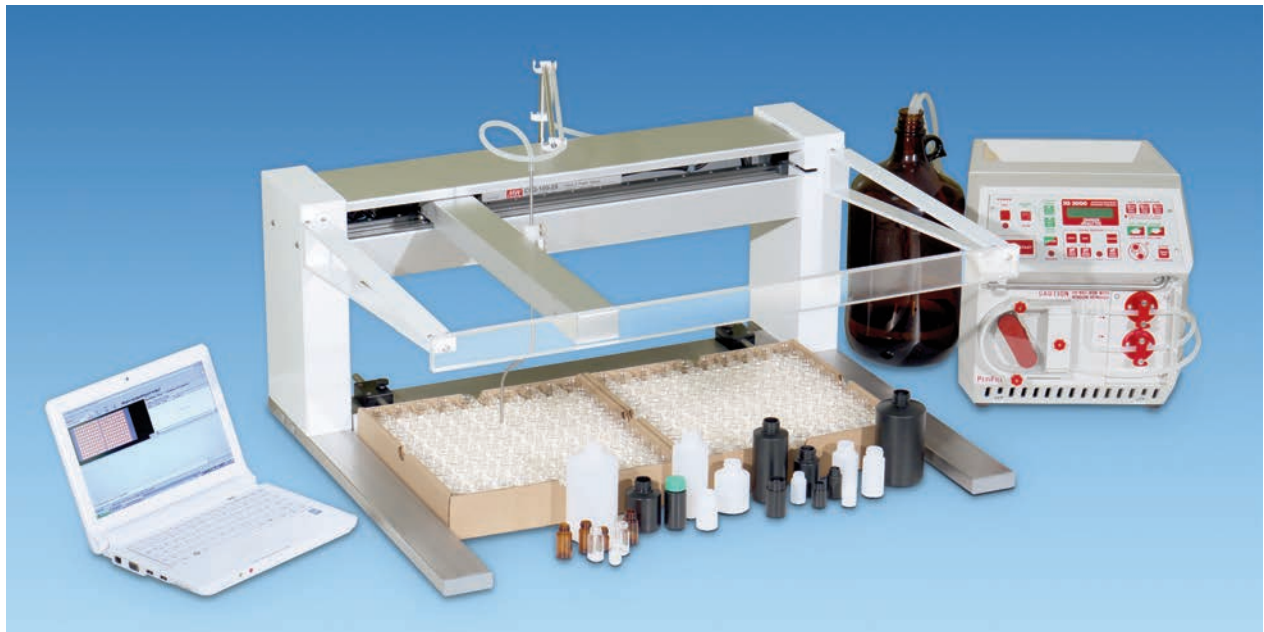


TraySy® “X” / “Z”

The Ideal Automatic Vial Filler



TraySy® "X" a newly developed X-Y distributor and a proven pump form a unique automatic filling system for small and medium size batches. Vials, ampoules, tubes in racks or packing trays are simply placed into the dispensing area and are automatically filled. It takes less than 2 seconds to fill a 4ml vial. The systems are used for sterile and non-sterile serial dispensing in drug dispensaries, bacteriology labs, pharmaceutical and diagnostic batch production.

- Volume range 0.1ml to 1,000ml
- Easy to setup & clean
- Suitable for clean rooms and sterile dispensing
- Stores user defined programmes
- Optional stirring for slurries and suspensions
- Single or 4-channel

TraySy® “X” - X-Y Distributor

TraySy® “X” is a PC-controlled X-Y distributor which has been developed to fill bottles or ampoules arranged in trays automatically. Tray after tray of containers with the same dimensions can be filled simply by pressing a button.

Any number of rack formats for different sizes of bottles and ampoules can be stored permanently in TraySy®’s database. Different bottle arrangements, regular or honeycomb can also be accommodated in the dispensing programme, multiple racks of the same lay-out can be processed in a single run.

TraySy® is easy to use. Once the layout of a rack has been stored in the database, the user just recalls the rack type, types in the number of vials to be filled, and starts the method by a key stroke. Containers of any height less than 250 mm can be filled. Any standard packing tray or rack may be used provided the bottles



are held symmetrically and the necks are within the area which the nozzle scans. A universal tray is available for TraySy® with two sliders to push the vials into arrays.

TraySy® “Z” - X-Y-Z Distributor

TraySy® “Z” can also position the dispensing nozzle in Z-direction. This avoids splashing at fast filling modes and allows to start filling from the bottom of a vial.

With TraySy® “Z” you can also use a precision syringe pump for dispensing small volumes with high precision.

The Universal Dispenser Perifill

In the standard package, TraySy® “X” is connected to the single channel peristaltic pump **Perifill®IQ 3000**. Multichannel peristaltic pumps or syringe pumps are available on request.

The Perifill® IQ 3000 is a unique microprocessor controlled precision peristaltic dispenser, ideal for the repeat delivery of liquids. Total control of all operations is via the membrane key panel with full setting information and dispensing status shown on the LCD display at all times.

With its continuously running 2-speed pump recycling system, the Perifill® IQ 3000 is designed to accurately dispense many types of liquid. Even hot and viscous fluids are handled with ease. The recycling system maintains flow rate and aids temperature control of the fluid ensuring consistent and accurate dispensing.

The liquid being dispensed only contacts the tubing set, which can be sterilised by autoclaving. The Perifill



is therefore ideal for use in bacteriological and pharmaceutical applications. Tubing sets can be changed in seconds. Silicone tubing sets will suit most applications.

Small Volume Dispenser (optional)

For small volumes, from 10µl to 5ml, TraySy® can be equipped with a syringe pump.

The pump takes microsyringes from 1.5ml to 6ml.

TraySy® “X” - X-Y positioning system

Maximum filling area: 585 mm wide x 383 mm deep
Maximum bottle height: 250 mm
Dimensions: 770 x 610 x 330 mm (w x d x h)
Power: 110/240V, 50/60 Hz, 250VA

TraySy® “Z” - X-Y-Z positioning system

Maximum filling area: 585 mm wide x 383 mm deep
Maximum bottle height: 250 mm
Dimensions: 770 x 610 x 330 mm (w x d x h)
Power: 110/240V, 50/60 Hz, 250VA

TraySy® “X” for clean bench

To fit into a clean bench a version with reduced depth of 550 mm including connections is available.

Perifill®IQ 3000 “DataStore”

Accuracy: $\pm 0.5\%$
Dose range: 0.1 ml to 1000 ml
Flow rate: 2.1 ml up to 40.7 ml per second
Pump speed: 72 rpm (slow), 225 rpm (fast)
Slow start/finish: available in fast speed
Mode: manual and automatic
Delay between doses in automatic mode: 0.5 - 9.5 seconds in 0.5 second steps
Case: Polyurethane moulding, inert and easy to clean
Weight: 15 kg
Dimensions: 300 x 300 x 300 mm
Power: 110/120V or 220/240V, 50/60 Hz, 130 VA

Syringe Pump “VP”

Resolution: 3000 steps
Syringe: XP-type, 1.5ml, 3ml, 6ml
Mode: software controlled
Power: internal 24 Volts, DC

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