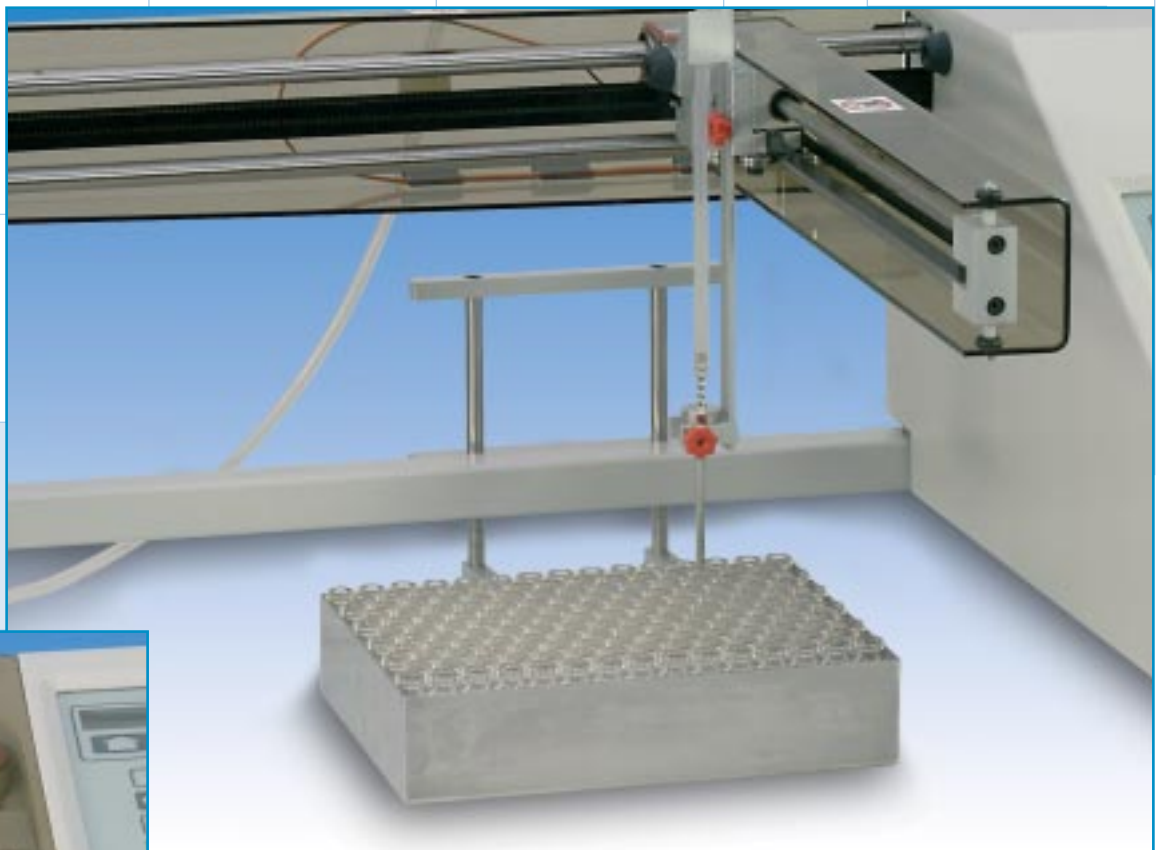


# Adelphi Manufacturing



**Adelphi Manufacturing**  
*Filling & Packaging Machinery*

## The Adelphi Peristaltic Pump Dispenser and XY Distributor Peristaltic filling for mobile liquids and light oils



In a peristaltic filler the fluid is transported within flexible tubing by manipulating the exterior walls.

This produces a completely closed system, eliminates the risk of cross contamination and is therefore ideally suited to pharmaceutical laboratory and small industrial applications.

The tubing is compressed in a forward motion, with the piece of tube acting as a valve as well as the transport mechanism. The fluid to be filled is contained within the tube from the infeed to the filling needle.

As all fluids are contained within this closed system, all that is required to change products is simply to exchange the tubing and the filling needle; a process that can be completed in under one minute.

Peristaltic pumping is excellent for filling liquids. It is gentle on the product and ideal for transporting sensitive substances very hygienically.

# Adelphi *Peristaltic Pump Dispenser*



## Description

The liquid comes into contact with only one uninterrupted length of silicone or special viton tubing which will withstand repeated sterilisation. Bacteriological in-line filtration can be performed at the outlet side of the pump.

The machine comes with a two-roller pump, footswitch and two and a half metre lengths of three sizes of silicone tubing.

## Features

- User selectable language options.
- Two speed filling with variable options.
- Timed filling up to 10 litres.
- Memory store for calibration values, volumes and custom set ups.
- XY module interface.
- Reversible pump rotation.
- Manual dispensing by hand or foot switch.
- Automatic dispensing with interval timing delay between fills up to 9.9 seconds.
- Calibration by simple and accurate microprocessor controls.
- Sealed membrane keypad and digital display of volume, interval time and speed.

## Filling Jig

A useful hand operated accessory for use with the Adelphi Peristaltic Pump Dispenser designed to ensure the clean filling of small necked containers such as ampoules without wetting the wall of the container where it is to be sealed.

The container is placed in a custom made holder and raised by hand to a predetermined stop when the needle will be centred inside the container.

# Adelphi *XY Distributor*

■ ■ ■ ■ ■ ■ ■ ■  
LCD Control Panel



## Description

The XY Distributor used in conjunction with the Peristaltic Dispenser enables bottles filled in trays to be filled automatically.

All the operator has to do is place a tray of empty bottles in position and press the 'start' button. The filling head fills the same amount into each bottle automatically.

Setting up is easy using the menu-driven LCD display. Adjustable trays are supplied so that bottles are held in an orderly fashion. For odd shapes or very

small bottles divided trays are available. The positional accuracy of the machine usually exceeds that of the bottles, so a minimum neck diameter of 6.5mm is usually required.

## Features

- Microprocessor controlled
- Menu-driven LCD for operator programming.
- User selectable language options.
- 50 fill pattern memory.
- Straight rows or honeycombed.

- Variable drip delay.
- Three alternative travel speeds.
- Stainless steel dispensing nozzles.
- Adjustable feet for tall bottle or test tube fills.
- Belts shielded by polycarbonate guards.

# Technical Information

## Adelphi Peristaltic Pump Dispenser

### Services Required

Electricity (selectable) 220-240 / 110v,50 / 60Hz, 90W

### Specifications

Volume Range	0.5ml to 10 litres
Repeatability	
5ml	+/- 1.75%
10ml	+/- 1%
15ml	+/- 0.5%
Accuracy	
5ml	+/- 1.5%
10ml	+/- 1%
15ml	+/- 0.7%
Electronics	Microprocessor
Max. flow rate	22ml / sec
Weight	7Kg
Dimensions (mm)	290 x 250 x 150
Part Number	3510500
Rotor speeds	70rpm (slow) 170rpm (fast)

### Tube Volumes and Delivery Rates

Other sizes available on request.

Typical Volume Range (ml)	Tubing Bore (mm)	Delivery Rate (ml/sec)		Part No.
		Slow	Fast	
0.5 - 20	3	2.1	4.5	3510603
20 - 100	5	6.1	13.5	3510605
100+	8	12.4	22.0	3510608

## Adelphi XY Distributor

### Services Required

Electricity (selectable) 220-240 / 110v, 50 / 60Hz, 40W

### Specifications

Fill Area (mm)	420 x 245
Accuracy	Better than 0.3mm
Electronics	Microprocessor
Tavel rate (mm/sec)	60-90-120 (selectable)
Input ports	RS232 interface
Weight	14Kg
Dimensions (mm)	735 x 385 x 280
Part Number	3520005
No. of fill points	99 (x), 99(y)
Drip Delay	0.0 - 0.9 secs
Min. vial diameter (mm)	6.5
Max. vial height (mm)	200

### Packing Specification

	Nett Weight (Kg)	Gross Weight (Kg)	Carton Size (cm)
XY	14	21	85 x 50 x 37
XY & PPD	21	28	85 x 50 x 37
PPD	7	9	40 x 37 x 27

# Adelphi Manufacturing

Olympus House, Mill Green Road, Haywards Heath, West Sussex RH16 1XQ. UK  
T: +44 (0)1444 472300 F: +44 (0)1444 472329 E: sales@adelphi.uk.com www.adelphi.uk.com

Part of the Adelphi group of companies